

UNCLASSIFIED

AD NUMBER: AD0142729

LIMITATION CHANGES

TO:

Approved for public release; distribution is unlimited.

FROM:

Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; 1 Aug 1957. Other requests shall be referred to the Office of Naval Research, Washington, DC 20360.

AUTHORITY

ONR LTR 12 JAN 1970

THIS PAGE IS UNCLASSIFIED

**UNCLASSIFIED**

**AI 42729**

**Armed Services Technical Information Agency**

**Reproduced by**

**DOCUMENT SERVICE CENTER**

**KNOTT BUILDING, DAYTON 2, OHIO**

**FOR  
MICRO-CARD  
CONTROL ONLY.**

**1 OF 1**

**NOTICE: WHEN GOVERNMENT OR OTHER DRAWINGS, SPECIFICATIONS OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE U. S. GOVERNMENT THEREBY INCURS NO RESPONSIBILITY, NOR ANY OBLIGATION WHATSOEVER; AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS, OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.**

**UNCLASSIFIED**

AD No. 142729

ASTIA FILE COPY

# CULTURAL NORMS FOR VERBAL ITEMS IN 43 CATEGORIES

By

B. H. Cohen  
W. A. Bousfield  
G. A. Whitmarsh

FC

UNIVERSITY OF CONNECTICUT  
DEPARTMENT OF PSYCHOLOGY



Studies on the Mediation of Verbal Behavior

Technical Report No. 22

August, 1957

Under Contract with the Office of Naval Research  
Contract Number Nonr-631 (00)

CULTURAL NORMS FOR VERBAL ITEMS

IN 43 CATEGORIES

by  
B. H. Cohen  
W. A. Bousfield  
G. A. Whitmarsh

UNIVERSITY OF CONNECTICUT  
DEPARTMENT OF PSYCHOLOGY

Studies on the Mediation of Verbal Behavior

Technical Report No. 22

August, 1957

Under Contract with the Office of Naval Research

Contract Number Nonr-631(00)

Reproduction in whole or in part is permitted for  
any purpose of the United States Government.

## CONTENTS

INTRODUCTION.....	1-iv
CULTURAL NORMS.....	1-41
A Fish.....	1-2
An Article of Furniture.....	2
A Country.....	3
A Part of the Human Body.....	4-5
A Science.....	5
A Kind of Cloth.....	6
A Weapon.....	7
A Male First Name.....	8-9
A Carpenter's Tool.....	10
A Name Applied to a Person to indicate his Occupation or Profession.....	11-13
An Insect.....	13
A Substance used for Flavoring Food.....	14
A Type of Footgear.....	15-16
A Four Footed Animal.....	16
A Chemical Element.....	17-18
A Type of Dance.....	18
A Flower.....	19
A Tree.....	20
A Type of Human Dwelling.....	21
A Disease.....	22-23
A Vehicle.....	23
A Snake.....	24
A Natural Earth Formation.....	25-26
A Unit of Time.....	26
A Part of a Building.....	27-28
A Musical Instrument.....	28
A Type of Ship.....	29-30
An Article of Clothing.....	30
A Crime.....	31-32
A Member of the Clergy.....	32
A Bird.....	33
A Weather Phenomenon.....	34
A Military Title.....	35
A Metal.....	35
A Vegetable.....	36
A Precious Stone.....	36
A Sport.....	37
A Unit of Distance.....	37
A Building for Religious Services.....	38
A Fuel.....	39
A Fruit.....	40
An Alcoholic Beverage.....	41
A Color.....	41
APPENDIX.....	I-V
Instructions for obtaining norms.....	I
Data sheets.....	II-IV
Table for converting frequencies to percentages...	V

## INTRODUCTION

### A. RATIONALE FOR CULTURAL NORMS

For several years a series of investigations dealing with the organization of verbal habits has been conducted at the University of Connecticut under the provisions of an Office of Naval Research contract. The majority of these studies has dealt with data collected in the following manner. A stimulus list comprising equal numbers of words belonging to two, four, eight or twenty categories is constructed. Typical categories are Animals, Weapons, Countries and Trees. The optimal length of the stimulus word list appears to be 40 to 60 items. The stimulus words are randomized and transferred in their random order to slides for presentation by means of a projector. The words are typically exposed at 2.5 or 3 second intervals. Subjects are instructed to watch as the list of words is presented and after the completion of the projection of the last word they write as many of the words as they can on the basis of free recall. The analysis of the data primarily involves the determining of associative clustering occurring in each subject's recall. Associative clustering may generally be defined as the incidence with which words in the same category successively follow each other in the subject's recall sequence.

In the earlier studies the selection of the words for the various categories of the stimulus lists was made by the experimenters and the habit strengths of the words in the several categories were equated on the basis of Thorndike-Lorge counts of frequencies of usage.<sup>1</sup> While our evidence has indicated a positive relationship between the word

---

<sup>1</sup>Thorndike, E.L., & Lorge, I. The Teacher's Word Book of 30,000 Words. New York: Teachers College, Columbia University, 1944.

counts of the stimulus items and both clustering and recall<sup>2</sup>, we have been inclined to regard our word selection procedure as somewhat crude. The primary purpose of studies of associative clustering has been to evaluate the strengths of categorizing habits. It is reasonable to assume that a more valid procedure would be to obtain normative data on the readiness with which specific words are subsumed under specified categories from a large sample of the population from which the subjects are drawn. It was on this assumption that we obtained the normative data here presented. Simply stated, the procedure was that of asking groups of undergraduate students to list items which they themselves judged to belong in specified categories. The norms are the cultural frequencies with which the various items were produced. A study demonstrating the relatively high validity of these norms for measuring associative clustering has been completed and will be presented in a subsequent report.<sup>3</sup>

It is hoped that these norms will be useful for subsequent studies of associative clustering and also for studies of concept formation.

## B. METHOD AND PROCEDURE

As a first step in the collection of the cultural norms it was necessary to compile a list of specific categories. The choice of categories was made on the following bases: (a) The verbal designation of the categories should be as brief as possible; (b) The associates of

---

<sup>2</sup>Bousfield, W.A., & Cohen, B.H. The occurrence of clustering in the recall of randomly arranged words of different frequencies of usage. J. gen. psychol., 1955, 52, 83-95.

<sup>3</sup>Bousfield, W.A., Cohen, B.H., & Whitmarsh, G.A. Associative clustering in the recall of words of different taxonomic frequencies of occurrence. Technical Report No. 24 under Contract Nonr-631(00) between the Office of Naval Research and the University of Connecticut.



a category should be nouns; (c) The categories should produce a fairly large number of associates; (d) The categories should be as definitive as possible; (e) There should be a minimum of overlap in the items of the various categories. In the interest of compiling a large list of categories, the adherence to the above conditions was violated in some cases. In all, 43 categories or classes of items were chosen. Mimeographed data sheets containing the verbal designations of the 43 classes of items were utilized. In collating the mimeographed material an effort was made to randomize the three pages containing the classes of items. A separate page containing instructions was stapled to the data sheets. Briefly, the subjects were told that they would be presented with various classes of items. They were to write the first four specific associates they could think of for each class of items. A copy of the instructions and data sheets may be seen in the Appendix. In all, data were collected from 400 undergraduate students at the University of Connecticut, 200 male and 200 female.

The data were analysed in the following manner. For each class of items a tabulation was made of the frequency of occurrence of each discrete response. The data of the male and female subjects were tabulated separately. Responses which were misspelled but left no doubt as to what the subject meant were tabulated under the correct spelling of the response. In those cases where the spelling of a response left some doubt as to what the subject really meant but the individual letters of the response were recognisable, the response was tabulated in its misspelled form with a frequency of one. In some cases handwritings were so illegible that some of the responses could not be read at all. These responses were tabulated as illegible words. In other cases, the



subject failed to list four responses for each class of items. Missing responses were tabulated as omissions.

The responses to each class of items and the frequency of occurrence of each response for males and females separately as well as the total are listed in the norms which follow. Responses are listed in order of decreasing frequency of occurrence. In the case of singular and plural forms of the same word, the frequency of occurrence of each form is given as well as the total. In some cases, e.g., the Fish category, subjects would simply list as a response, sun, gold, etc. In these cases it was obvious that the subjects meant sunfish, goldfish, etc. Separate counts are given for the frequencies of occurrence of the separate components of compound words as well as the totals. Indentation of the responses as well as parentheses around the frequencies of occurrence are used to indicate that the responses involved are either singular or plural forms of the same word or components of a compound word.

It will be noted that frequencies of occurrence have been used in the norms rather than percentages. This procedure was adopted because the number of very small frequencies of occurrence e.g., 1's, 2's, etc., is large and conversion to percentages would have necessitated the use and repetition of small percentage figures involving decimals. For those who would rather work with percentages of occurrence rather than frequencies, a conversion from frequencies to percentages is presented in the Appendix. For sake of simplicity the upper class limits of the percentages column in the conversion table have been deleted. These upper limits are understood to be 1.99, 2.99, 3.99, etc.

## A FISH

-1-

Items	T	M	F
trout	174	97	77
bass	124	77	47
perch	101	67	34
tuna	100	42	58
salmon	92	30	62
cod	91	40	51
sword(fish)	90	32	58
sword	(57)	(25)	(32)
swordfish	(33)	(7)	(26)
mackerel	75	26	49
flounder	61	26	35
shark	59	36	23
pickerel	54	38	16
whale	36	16	20
haddock	36	8	28
blue(fish)	33	20	13
blue	(22)	(14)	(8)
bluefish	(11)	(6)	(5)
gold(fish)	30	4	26
goldfish	(26)	(4)	(22)
gold	(4)	(0)	(4)
pike	28	21	7
halibut	27	12	15
sun(fish)	27	15	12
sunfish	(10)	(9)	(11)
sun	(7)	(6)	(1)
flat(fish)	26	17	9
flat	(20)	(13)	(7)
flatfish	(6)	(4)	(2)
lobster	19	5	14
carp	18	14	4
herring	18	8	10
cat(fish)	18	9	9
catfish	(16)	(7)	(9)
cat	(2)	(2)	(0)
eel	16	9	7
shad	16	6	10
bullhead	13	6	7
shrimp	13	4	9
black(fish)	12	6	6
black	(10)	(4)	(6)
blackfish	(2)	(2)	(0)
clam	9	4	5
minnow	8	6	2
sail(fish)	8	6	2
sailfish	(7)	(5)	(2)
sail	(1)	(1)	(0)
smelt	7	4	3
porgy	7	5	2
sardine	6	3	3
porpoise	6	5	1
fluke	6	4	2

Items	T	M	F
white(fish)	6	1	5
whitefish	(4)	(1)	(3)
white	(2)	(0)	(2)
marlin	4	4	0
jelly(fish)	4	2	2
jellyfish	(2)	(1)	(1)
jelly	(2)	(1)	(1)
fin	3	0	3
barracuda	3	1	2
crab	3	1	2
codfish	3	0	3
cunner	3	2	1
guppy	3	1	2
sturgeon	3	2	1
snapper	3	2	1
snake	3	3	0
ray(fish)	3	2	1
ray	(2)	(1)	(1)
rayfish	(1)	(1)	(0)
fillet	2	1	1
porgy	2	2	0
oyster	2	1	1
pumpkin seed	2	1	1
scallop	2	1	1
striped bass	2	1	1
ban	2	1	1
blow(fish)	2	1	1
blow	(1)	(0)	(1)
blowfish	(1)	(1)	(0)
weak(fish)	2	2	0
weak	(1)	(1)	(0)
weakfish	(1)	(0)	(1)
bull(fish)	2	0	2
bull	(1)	(0)	(1)
bullfish	(1)	(0)	(1)
star(fish)	2	0	2
star	(1)	(0)	(1)
starfish	(1)	(0)	(1)
tail	1	0	1
bones	1	0	1
water	1	0	1
coach	1	0	1
fillet of haddock	1	0	1
fleetfish	1	0	1
gills	1	0	1
goopus	1	0	1
gruppy	1	1	0
mouth	1	0	1
pan	1	1	0
plaicie	1	0	1
red snapper	1	0	1
salamander	1	0	1

## A FISH (cont.)

-2-

Items	T	M	F	Items	T	M	F
sheep	1	0	1	skin	1	0	1
sunny	1	0	1	lamprey	1	1	0
hugle	1	1	0	porky	1	1	0
brook trout	1	1	0	squid	1	1	0
sawfish	1	1	0	teleost	1	1	0
bonito	1	0	1	tripe	1	0	1
claw	1	0	1	heron	1	0	1
sole	1	0	1	punt	1	0	1
turtle	1	0	1	chub	1	0	1
tiger shark	1	1	0	taulog	1	1	0
sea robin	1	1	0	red fish	1	1	0
hissing fish	1	0	1	rock	1	0	1
dolphin	1	1	0	grouper	1	1	0
crappy	1	1	0	angel	1	1	0
serod	1	1	0	pout	1	1	0
zebra fish	1	0	1	crayfish	1	1	0
omissions	16	12	4	illegible words	8	8	0

## AN ARTICLE OF FURNITURE

Items	T	M	F	Items	T	M	F
chair	392	196	196	buffet	2	1	1
table	346	171	175	chaise-lounge	2	1	1
bed	225	90	135	sink	2	1	1
couch	122	51	71	refrigerator	2	1	1
desk	103	57	46	carpet	2	1	1
sofa	101	54	47	drawer	2	1	1
lamp	77	44	33	ottoman	1	0	1
stool	33	23	10	dining table	1	0	1
bureau	33	17	16	ash tray	1	1	0
dresser	17	5	12	side board	1	1	0
stove	15	7	8	trunk	1	1	0
bench	12	7	5	washing machine	1	1	0
bookcase	10	5	5	magazine rack	1	1	0
rug	10	7	3	not	1	1	0
chest	8	3	5		1	1	0
piano	8	2	6		1	1	0
foot stool	6	3	3	vision set	1	1	0
TV	6	3	3	lace	1	0	1
coffee table	6	4	2	chair	1	1	0
end table	6	6	0	be	1	1	0
radio	4	4	0	cer	1	1	0
hassock	4	3	1	mode	1	1	0
divan	4	4	0	ono	1	1	0
cabinet	3	2	1	clock	1	1	0
mirror	3	3	0	rock	1	1	0
lounge	2	1	1				
omissions	12	6	6	illegible word	1	0	1

## A COUNTRY

-3-

Items	T	M	F	Items	T	M	F
U.S.(A.)	231	122	109	Chile	4	2	2
France	224	106	118	Jugoslavia	4	1	3
England	214	99	115	Peru	4	2	2
Germany	134	72	62	Alaska	3	1	2
Russia	111	64	47	Hungary	3	3	0
Spain	81	38	43	Bolivia	2	1	1
Canada	76	42	34	N. America	2	0	2
Italy	66	33	33	Venezuela	2	0	2
Mexico	43	28	15	Wales	2	1	1
America	36	16	20	Turkey	2	1	1
Japan	35	19	16	Pakistan	2	2	0
Ireland	29	15	14	Denmark	2	1	1
Sweden	26	10	16	Argentina	2	0	2
Switzerland	23	6	17	Cambodia	1	1	0
China	22	9	13	Haiti	1	1	0
Scotland	16	3	13	Greenland	1	0	1
Brazil	15	8	7	Eire	1	0	1
Poland	14	6	8	Czechoslovakia	1	0	1
India	14	9	5	New Zealand	1	1	0
Britain	13	11	2	Tibet	1	1	0
Australia	12	6	6	large	1	1	0
Africa	11	4	7	friendly	1	1	0
Austria	10	5	5	strong	1	1	0
Israel	9	1	8	Saudi Arabia	1	1	0
Egypt	8	5	3	Antarctic	1	1	0
Great Britain	8	2	6	Iran	1	0	1
Belgium	7	5	2	Algeria	1	0	1
Europe	7	1	6	Arabia	1	0	1
Holland	7	3	4	Cuba	1	0	1
Finland	7	4	3	French Morocco	1	1	0
Portugal	6	4	2	Liberia	1	1	0
Norway	6	3	3	United Kingdom	1	1	0
Asia	5	1	4	Burma	1	1	0
S. America	4	1	3	Andorra	1	1	0
Korea	4	3	1	Bulgaria	1	0	1
Greece	4	2	2	Ethiopia	1	0	1
omissions	4	4	0	illegible words	1	1	0

## A PART OF THE HUMAN BODY

-4-

Items	T	M	F	Items	T	M	F
arm(s)	308	147	161	wrist	4	2	2
arm	(270)	(138)	(132)	cranium	4	2	2
arms	(38)	(9)	(29)	lung(s)	4	3	1
leg(s)	293	143	150	lung	(2)	(2)	(0)
leg	(252)	(131)	(121)	lungs	(2)	(1)	(1)
legs	(41)	(12)	(29)	femur	3	1	2
head	220	107	113	tibia	3	1	2
foot(foot)	134	76	58	hip(s)	3	2	1
foot	(106)	(61)	(44)	hip	(2)	(1)	(1)
feet	(29)	(15)	(14)	hips	(1)	(1)	(0)
hand(s)	132	62	70	skull	3	1	2
hand	(116)	(57)	(59)	penis	3	3	0
hands	(16)	(5)	(11)	tooth(teeth)	3	2	1
eye(s)	61	29	32	tooth	(1)	(1)	(0)
eye	(39)	(24)	(15)	teeth	(2)	(1)	(1)
eyes	(22)	(5)	(17)	viscera	2	2	0
neck	57	24	33	thorax	2	1	1
nose	32	16	16	blood vessel	2	1	1
finger(s)	31	18	13	muscle(s)	2	2	0
finger	(25)	(16)	(9)	muscle	(1)	(1)	(0)
fingers	(6)	(2)	(4)	muscles	(1)	(1)	(0)
ear(s)	27	15	12	thigh	2	2	0
ear	(24)	(14)	(10)	humerus	2	1	1
ears	(3)	(1)	(2)	ankle	2	2	0
heart	26	11	15	buttocks	2	1	1
trunk	23	7	16	intestine	2	0	2
toe(s)	17	10	7	body	2	1	1
toe	(15)	(10)	(5)	waist	2	1	1
toes	(2)	(0)	(2)	esophagus	2	1	1
face	15	4	11	elbow	2	2	0
brain	15	10	5	patella	1	0	1
chest	15	11	4	arteries	1	0	1
stomach	13	7	6	veins	1	0	1
mouth	13	6	7	nerves	1	0	1
torso	12	9	3	glands	1	1	0
back	11	5	6	rectum	1	1	0
shoulder(s)	8	3	5	diaphragm	1	1	0
shoulder	(5)	(2)	(3)	organs	1	1	0
shoulders	(3)	(1)	(2)	pectoralis	1	1	0
hair	6	4	2	ass	1	1	0
liver	6	3	3	clavical	1	1	0
lip(s)	5	1	4	cheek	1	1	0
lip	(1)	(1)	(0)	carpals	1	1	0
lips	(4)	(0)	(4)	metacarpals	1	1	0
abdomen	5	1	4	calf	1	1	0
bone(s)	5	5	0	genitals	1	1	0
bone	(3)	(3)	(0)	forearm	1	0	1
bones	(2)	(2)	(0)	breast	1	0	1
throat	5	3	2	pancreas	1	0	1
kidney	4	2	2	spleen	1	0	1
fibula	4	2	2	vertebrae	1	0	1
knee	4	1	3	rib	1	0	1

## A PART OF THE HUMAN BODY (cont.)

-5-

Items	T	M	F	Items	T	M	F
flesh	1	0	1	blood	1	1	0
trachea	1	0	1	thumb	1	1	0
tounge	1	0	1				
omissions	8	8	0	illegible words	2	2	0

## A SCIENCE

Items	T	M	F	Items	T	M	F
chemistry	308	149	159	important	1	1	0
physics	276	144	132	language	1	0	1
psychology	175	103	72	climatology	1	0	1
biology	141	55	86	radiology	1	1	0
zoology	110	42	68	etymology	1	1	0
sociology	85	46	38	military	1	1	0
botany	79	30	49	avation	1	1	0
astronomy	65	31	34	phoenetics	1	1	0
bacteriology	59	20	39	nucleonics	1	1	0
geology	58	21	37	aeronautics	1	1	0
mathematics	51	34	17	optometry	1	1	0
physiology	25	7	18	thermodynamics	1	1	0
anatomy	15	6	9	parasitology	1	1	0
engineering	10	9	1	double	1	0	1
anthropology	9	6	3	pharmacology	1	0	1
medicine	8	5	3	kinesiology	1	0	1
entomology	6	4	2	geo-physics	1	0	1
economics	6	5	1	criminology	1	0	1
philosophy	6	4	2	pathology	1	0	1
metallurgy	5	4	1	aerodynamics	1	0	1
bio-chemistry	4	1	3	neurology	1	0	1
astrology	3	3	0	music	1	0	1
logic	3	2	1	physical	1	0	1
electronics	3	2	1	arithmetic	1	1	0
social psychology	3	3	0	mechanical	1	1	0
history	3	1	2	electrical	1	1	0
micro	2	0	2	arts	1	1	0
government	2	2	0	atomic energy	1	1	0
pharmacy	2	1	1	electricity	1	1	0
genetics	2	1	1	statistics	1	1	0
geometry	1	1	0	political	1	1	0
taxonomy	1	1	0	management	1	1	0
good	1	1	0	physical chemistry	1	1	0
necessary	1	1	0	agronomy	1	1	0
detailed	1	1	0				
omissions	31	27	4	illegible words	6	5	1

## A KIND OF CLOTH

-6-

Items	T	M	F
cotton	330	156	174
wool	270	138	132
silk	249	117	132
rayon	149	84	65
nylon	109	54	55
linen	108	54	54
satin	64	22	42
daeron	40	21	19
orlon	35	17	18
velvet	25	10	15
tweed	16	10	6
taffeta	13	1	12
gabardine	13	11	2
flannel	12	10	2
muslin	11	4	7
gingham	9	3	6
corduroy	9	3	6
burlap	7	5	2
cheesecloth	6	5	1
broadcloth	5	3	2
sharkskin	5	5	0
felt	5	4	1
organdy	5	1	4
cashmere	4	1	3
faille	4	0	4
flax	4	4	0
worsted	4	4	0
denim	4	2	2
serge	4	4	0
lace	3	0	3
chintz	3	1	2
calico	3	3	0
acetate	2	0	2
percale	2	0	2
damask	2	0	2
indian head	2	0	2
omissions	17	16	1

Items	T	M	F
saersucker	2	0	2
brocade	2	0	2
chiffon	2	0	2
chino	1	0	1
bark	1	0	1
printed	1	0	1
blocked	1	0	1
sheepskin	1	0	1
jersey	1	0	1
oxford	1	0	1
batiste	1	0	1
crepe	1	0	1
fur	1	0	1
voile	1	0	1
plaid	1	1	0
luden	1	1	0
shirt	1	1	0
necktie	1	1	0
jacket	1	1	0
handkerchief	1	1	0
hemp	1	1	0
jute	1	1	0
glass	1	1	0
poplin	1	1	0
tyoord	1	0	1
chambray	1	0	1
melton	1	1	0
lavender	1	1	0
linsey wool	1	1	0
khaki	1	1	0
dish	1	1	0
coat	1	1	0
hat	1	1	0
pants	1	1	0
camel hair	1	1	0
yarn	1	0	1
illegible words	8	8	0



## A WEAPON

-7-

Items	T	M	F
gun	317	132	185
knife	306	140	166
sword	111	38	73
rifle	104	73	31
club	91	50	41
cannon	62	39	23
pistol	61	44	17
bomb	51	18	33
spear	50	32	19
arrow	36	16	20
bow & arrow	26	6	20
machine gun	22	15	7
stick	22	10	12
tank	20	13	7
black jack	18	7	11
ax(e)	17	8	9
grenade	17	10	7
dagger	14	3	11
rope	13	3	10
sling shot	12	6	6
hammer	11	4	7
fists	10	7	3
whip	10	6	4
bow	10	8	2
mortar	10	10	0
airplane	9	9	0
stone	9	4	5
bayonet	7	4	3
rock	7	5	2
carbine	6	6	0
torpedo	5	1	4
M-1	5	5	0
pipe	5	4	1
ice pick	4	1	3
brass knuckles	4	4	0
shot gun	4	4	0
revolver	4	3	1
bazooka	4	3	1
hatchet	4	3	1
howitzer	4	4	0
saber	3	0	3
bat	3	3	0
hand grenade	3	0	3
razor	3	1	2
rocket launcher	2	2	0
blow gun	2	1	1
sling	2	1	1
45	2	2	0
harpoon	2	1	1
BAR	2	2	0
fire	2	2	0
poison	2	0	2
rocket	2	2	0
omissions	11	0	11

Items	T	M	F
shield	1	0	1
flame thrower	1	1	0
candlestick	1	0	1
pen	1	0	1
board	1	0	1
actions	1	0	1
battleship	1	0	1
bombers	1	0	1
A-bomb	1	0	1
claws	1	0	1
letter cutter	1	0	1
steel pipe	1	0	1
shell	1	0	1
bold	1	1	0
mace	1	1	0
40's	1	1	0
oudgel	1	1	0
90's	1	1	0
knowledge	1	1	0
anti-aircraft gun	1	1	0
napalm bomb	1	1	0
fork	1	0	1
soissors	1	0	1
hat pin	1	0	1
gas	1	0	1
missile	1	0	1
foil	1	0	1
epee	1	0	1
guided missile	1	0	1
stiletto	1	0	1
blunt instrument	1	0	1
broken bottle	1	0	1
letter opener	1	0	1
lead pipe	1	0	1
fighter plane	1	0	1
lance	1	0	1
pop gun	1	0	1
bullet	1	0	1
car	1	1	0
22	1	0	1
shot	1	1	0
atomic cannon	1	1	0
hands	1	1	0
teeth	1	1	0
boomerang	1	1	0
ship	1	1	0
firearm	1	1	0
aircraft	1	1	0
part	1	1	0
words	1	1	0
screwdriver	1	1	0
tomahawk	1	0	1
blade	1	1	0
illegible words	4	4	0

## A MALE FIRST NAME

-8-

Items	T	M	F	Items	T	M	F
John	189	103	86	Ronald	5	3	2
Bob	106	47	58	Ralph	5	2	3
Joe	79	48	30	Walt	4	2	2
Bill	69	40	29	Wayne	4	0	4
Jim	54	30	24	Stan	4	1	3
Dick	51	20	31	Roy	4	1	3
Tom	48	25	23	Karl	4	2	2
Robert	47	25	22	Howard	4	2	2
Richard	39	20	19	Gregory	4	1	3
George	38	17	21	Fredrick	4	2	2
James	37	18	19	Daniel	4	2	2
Harry	36	22	14	Alan	3	2	1
Paul	32	16	16	Brad	3	0	3
Jack	31	19	12	Eugene	3	1	2
Peter	28	11	17	Eddie	3	0	3
Frank	27	18	9	Gerald	3	2	1
Joseph	26	18	8	Glen	3	1	2
William	24	15	9	Gene	3	1	2
Fred	23	13	10	Ken	3	1	2
Henry	22	13	9	Morton	3	0	3
David	21	9	12	Norman	3	1	2
Mike	19	10	9	Ron	3	1	2
Charles	16	11	5	Raymond	3	0	3
Dave	15	8	7	Samuel	3	2	1
Donald	15	7	8	Tim	3	1	2
Sam	15	10	5	Walter	2	2	0
Al	14	5	9	Victor	2	2	0
Ray	14	7	7	Tony	2	1	1
Ed	13	7	6	Theodore	2	0	2
Michael	12	5	7	Scott	2	1	1
Edward	12	5	7	Russell	2	1	1
Arthur	11	6	5	Luke	2	2	0
Bruce	11	3	8	Les	2	1	1
Pete	11	8	3	Lewis	2	2	0
Steve	11	3	8	Marty	2	2	0
Roger	10	4	6	Martin	2	1	1
Carl	10	4	6	Marve	2	0	2
Don	10	6	4	Matt	2	2	0
Jerry	9	4	5	Melvin	2	0	2
Thomas	9	4	5	Nick	2	0	2
Art	7	3	4	Jeffrey	2	0	2
Harold	7	4	3	Jay	2	1	1
Larry	7	1	6	Jeel	2	1	1
Stephen	7	0	7	Leo	2	0	2
Ted	6	3	3	Leon	2	1	1
Mark	6	3	3	Lester	2	1	1
Albert	6	3	3	Gardiner	2	1	1
Burt	5	2	3	Gil	2	1	1
Dan	5	2	3	Harvey	2	0	2
Francis	5	1	4	Cliff	2	1	1
Kenneth	5	3	2	Douglas	2	0	2
Lou	5	3	2	Doug	2	0	2
Philip	5	3	2	Ernest	2	1	1

## A MALE FIRST NAME (cont.)

-9-

Items	T	M	F	Items	T	M	F
Ben	2	1	1	Irv	1	0	1
Brian	2	1	1	Ike	1	0	1
Billy	2	2	0	Irving	1	0	1
Clifford	2	2	0	Jackson	1	0	1
Terry	2	0	2	Jacob	1	0	1
Aaron	1	0	1	Jeff	1	0	1
Arch	1	0	1	Johnny	1	0	1
Abe	1	0	1	Kenny	1	0	1
Anson	1	0	1	Kevin	1	0	1
Alfonse	1	1	0	Louis	1	0	1
Arnold	1	0	1	Laurence	1	0	1
Alfred	1	1	0	Lonny	1	0	1
Andrew	1	1	0	Leonard	1	0	1
Allen	1	1	0	Lynwood	1	0	1
Burton	1	1	0	Len	1	1	0
Bayne	1	0	1	Lew	1	1	0
Bernard	1	1	0	Lee	1	1	0
Brison	1	0	1	Moe	1	1	0
Bud	1	1	0	Murray	1	0	1
Butch	1	0	1	Mel	1	0	1
Bobby	1	0	1	Maurice	1	0	1
Bryant	1	0	1	Myron	1	0	1
Chet	1	1	0	Meyer	1	0	1
Courtney	1	0	1	Matthew	1	1	0
Chester	1	1	0	Max	1	0	1
Chuck	1	0	1	Nathaniel	1	0	1
Chris	1	1	0	Nicky	1	0	1
Duaine	1	0	1	Phil	1	1	0
Dennis	1	0	1	Pierce	1	1	0
Dirk	1	0	1	Rufus	1	0	1
Dean	1	0	1	Russ	1	0	1
Danny	1	0	1	Rodney	1	0	1
Eddy	1	0	1	Randolph	1	0	1
Erle	1	0	1	Ronnie	1	0	1
Eric	1	1	0	Rod	1	1	0
Eddi	1	1	0	Roland	1	1	0
Earl	1	1	0	Rudolph	1	1	0
Edwin	1	1	0	Syd	1	0	1
Emil	1	0	1	Spencer	1	0	1
Ernie	1	1	0	Sal	1	0	1
Felice	1	0	1	Steven	1	1	0
Floyd	1	1	0	Sid	1	0	1
Gordon	1	0	1	Stanley	1	1	0
Gary	1	0	1	Tracy	1	0	1
Greg	1	0	1	Vinton	1	0	1
Gail	1	1	0	Vern	1	0	1
Homer	1	1	0	Vic	1	1	0
Herman	1	1	0	Wallace	1	0	1
Harrison	1	0	1	Wesley	1	1	0
Herbert	1	0	1	Whit	1	0	1
Herb	1	0	1	Yale	1	0	1
Hal	1	0	1	Short	1	1	0
Hank	1	0	1				
Illegible word	1	1	0				

## A CARPENTER'S TOOL

-10-

Items	T	M	F	Items	T	M	F
hammer	373	187	186	mallet	2	0	2
saw	322	167	155	measuring tape	2	0	2
screwdriver	117	45	72	scraper	2	0	2
plane	115	80	35	leveler	2	0	2
nail	96	19	77	outter	2	0	2
chisel	86	59	27	draw knife	1	1	0
level	77	51	26	buzz saw	1	1	0
ruler	54	30	24	plank	1	0	1
square	39	35	4	last	1	0	1
drill	31	12	19	clamp	1	0	1
awl	23	8	16	measuring device	1	0	1
wrench	22	3	19	spade	1	0	1
pliers	19	5	14	tool box	1	0	1
lathe	16	8	8	slide	1	0	1
ax(e)	13	5	8	stool	1	0	1
screw	9	0	9	oats paw	1	1	0
knife	9	4	5	ban	1	1	0
pencil	9	5	4	scriber	1	1	0
file	9	6	3	nail set	1	1	0
vise	8	3	5	motor box	1	1	0
rule	7	6	1	tape	1	1	0
wedge	5	0	5	asp	1	1	0
crow bar	4	2	2	straight edge	1	1	0
yard stick	4	1	3	triangle	1	1	0
hatchet	3	3	0	measuring tool	1	0	1
adse	3	2	1	shaper	1	0	1
board	3	0	3	bolt	1	0	1
plumb line	3	3	0	lever	1	0	1
plumb	3	3	0	level device	1	0	1
slide rule	3	0	3	L	1	0	1
T-square	3	3	0	clippers	1	0	1
ladder	2	1	1	yawl	1	0	1
tape measure	2	1	1	right angle	1	0	1
wood	2	0	2	measure	1	0	1
bench	2	0	2	compass	1	0	1
sander	2	1	1	power drill	1	0	1
measuring stick	2	0	2	claw	1	1	0
saw horse	2	1	1	horse	1	1	0
brace	2	1	1	power saw	1	1	0
measure	2	2	0	smoother	1	1	0
plumb bob	2	2	0	water	1	1	0
bevel	2	2	0	mitre box	1	1	0
pinch bar	2	2	0	wood drill	1	1	0
sword	2	1	1	shears	1	1	0
bit	2	2	0	scale	1	1	0
rasp	2	2	0	planer	1	0	1
sand paper	2	0	2	nut	1	0	1
omissions	22	3	19	illegible words	6	4	2

A NAME APPLIED TO A PERSON TO INDICATE HIS OCCUPATION OR PROFESSION -11-

Items	T	M	F	Items	T	M	F
doctor	348	167	181	physician	4	4	0
lawyer	182	90	92	musician	4	2	2
professor	97	40	57	treasurer	3	3	0
dentist	74	42	32	CPA	3	1	2
teacher	62	21	41	secretary	3	2	1
reverend	55	24	31	lord	3	0	3
nurse	40	6	34	colonel	3	1	2
engineer	29	14	15	mason	3	3	0
carpenter	25	19	6	mechanic	3	2	1
father	25	10	15	historian	3	2	1
salesman	24	12	12	mister	3	2	1
judge	23	13	10	sergeant	3	1	2
president	23	9	14	instructor	3	3	0
attorney	20	9	11	psychiatrist	3	2	1
minister	18	8	10	coach	3	3	0
captain	18	7	11	executive	3	1	2
merchant	16	7	9	vice president	3	2	1
general	16	8	8	highness	3	1	2
priest	15	6	9	optometrist	3	1	2
psychologist	12	11	1	governor	3	1	2
rabbi	12	6	6	clerk	3	1	2
accountant	11	9	2	indian chief	3	3	0
lieutenant	9	2	7	physicist	3	3	0
senator	8	7	1	student	2	1	1
scientist	8	5	3	housewife	2	0	2
R.N.	8	0	8	chiropractor	2	1	1
MD	8	4	4	business	2	0	2
chief	7	5	2	majesty	2	1	1
farmer	7	2	5	lab technician	2	0	2
soldier	6	4	2	honorable	2	1	1
businessman	6	3	3	pilot	2	1	1
PhD	6	2	4	butcher	2	1	1
title	6	5	1	actor	2	1	1
sir	6	4	2	major	2	1	1
dean	5	2	3	conductor	2	2	0
plumber	5	5	0	truck driver	2	2	0
pharmacist	5	3	2	officer	2	2	0
banker	5	3	2	bacteriologist	2	1	1
manager	5	1	4	painter	2	2	0
chemist	5	4	1	cop	2	2	0
baker	5	4	1	professional	2	2	0
laborer	5	3	2	grocer	2	1	1
physical therapist	4	0	4	writer	2	2	0
sister	4	1	3	druggist	2	2	0
job	4	2	2	barber	2	2	0
bishop	4	2	2	pressman	2	2	0
boss	4	3	1	singer	2	1	1
machinist	4	3	1	bartender	2	2	0
artist	4	3	1	contractor	2	1	1
electrician	4	4	0	die maker	2	1	1



A NAME APPLIED TO A PERSON TO INDICATE HIS OCCUPATION OR PROFESSION (cont.)

Items	T	M	F	Items	T	M	F
DDS	2	1	1	surveyor	1	1	0
P.T.	2	1	1	muscle builder	1	1	0
tool designer	2	2	0	aggle	1	1	0
clergy	1	1	0	garbage man	1	1	0
justice	1	1	0	diplomat	1	1	0
king	1	0	1	madame	1	1	0
alderman	1	0	1	editor	1	1	0
office worker	1	0	1	janitor	1	1	0
dietitian	1	0	1	anesthesiologist	1	1	0
Mrs.	1	0	1	steamfitter	1	1	0
tradesman	1	0	1	bricklayer	1	1	0
factory worker	1	0	1	clergyman	1	1	0
Mr. & Mrs.	1	0	1	prince	1	1	0
fisherman	1	0	1	servant	1	1	0
storekeeper	1	0	1	big shot	1	1	0
excellency	1	0	1	director	1	0	1
office clerk	1	0	1	head	1	0	1
occupation	1	0	1	layman	1	0	1
profession	1	0	1	supervisor	1	0	1
vocation	1	0	1	garcon	1	0	1
associate	1	0	1	major general	1	0	1
career	1	0	1	congressman	1	0	1
employment	1	0	1	blacksmith	1	0	1
superintendent	1	0	1	mayor	1	0	1
mach. eng.	1	0	1	magician	1	0	1
money	1	1	0	fireman	1	0	1
prestige	1	1	0	surgeon	1	0	1
worker	1	1	0	therapist	1	0	1
employee	1	1	0	insurance	1	0	1
employer	1	1	0	bookkeeper	1	0	1
label	1	1	0	maestro	1	0	1
position	1	1	0	comedian	1	0	1
private	1	0	1	detective	1	0	1
politician	1	1	0	chaplain	1	0	1
insurance man	1	1	0	sheet metal worker	1	0	1
purchaser	1	1	0	queen	1	0	1
sociologist	1	1	0	his excellency	1	0	1
his majesty	1	1	0	esquire	1	0	1
the honorable	1	1	0	caretaker	1	0	1
millwright	1	1	0	admiral	1	0	1
skilled	1	1	0	foreman	1	0	1
semi-skilled	1	1	0	cook	1	0	1
Col. & Mrs.	1	1	0	warden	1	0	1
skilled laborer	1	1	0	honor	1	0	1
white collar	1	1	0	social worker	1	0	1
weaver	1	1	0	boss diver	1	1	0
rank	1	1	0	biologist	1	1	0
statesman	1	1	0	botanist	1	1	0
technician	1	1	0	waiter	1	1	0
cobbler	1	1	0	jeweler	1	1	0

A NAME APPLIED TO A PERSON TO INDICATE HIS OCCUPATION OR PROFESSION (cont.)

Items	T	M	F	Items	T	M	F
diver	1	1	0	repairman	1	1	0
journalist	1	1	0	R. PH.	1	1	0
pickpocket	1	1	0	tool maker	1	1	0
garage man	1	1	0	draftsman	1	1	0
architect	1	1	0	printer	1	1	0
pastor	1	1	0	typist	1	1	0
principle	1	1	0	ditch digger	1	1	0
wholesaler	1	1	0	inventor	1	0	1
pastur	1	1	0	shoemaker	1	0	1
tailor	1	0	1				
omissions	45	28	17	illegible words	6	3	3

AN INSECT

Items	T	M	F	Items	T	M	F
fly	285	140	145	potato bug	4	3	1
ant	228	99	129	black fly	2	2	0
bee	153	72	81	multipede	2	1	1
mosquito	150	76	74	taste fly	2	0	2
spider	90	41	49	rodent	2	2	0
beetle	84	42	42	bumble bee	2	1	1
lady bug	56	19	37	house fly	2	1	1
wasp	54	20	34	crab	1	1	0
grasshopper	52	28	24	midge	1	1	0
flea	37	20	17	crawl	1	0	1
moth	35	23	12	rose bug	1	0	1
roach	28	20	8	chinch	1	0	1
butterfly	25	9	16	tomato bug	1	1	0
caterpillar	24	13	11	snake	1	1	0
cockroach	21	14	7	red bug	1	1	0
gnat	20	11	9	cicada	1	1	0
hornet	17	7	10	ball weevil	1	1	0
japanese beetle	15	8	7	nymph	1	1	0
bug	14	5	9	silver fish	1	1	0
termite	13	6	7	yellow jacket	1	1	0
cricket	11	7	4	firefly	1	0	1
worm	11	5	6	mantis	1	1	0
praying mantis	10	7	3	scorpion	1	1	0
dragonfly	8	5	3	tomato fruit worm	1	1	0
bed bug	7	7	0	click beetle	1	1	0
lightening bug	6	3	3	peach borer	1	1	0
centipede	6	3	3	anophelis	1	1	0
tick	5	3	2	chigger	1	1	0
june bug	5	3	2	aphid	1	1	0
locust	5	3	2	pine weevil	1	1	0
lice	4	2	2	gypsy moth	1	1	0
horse-fly	4	2	2	bean bug	1	1	0
omissions	68	38	30	illegible words	8	8	0



# A SUBSTANCE USED FOR FLAVORING FOOD

-14-

Items	T	M	F	Items	T	M	F
salt	342	175	167	condiment	2	2	0
pepper	319	165	154	wine	2	2	0
vanilla	91	32	59	salad oil	2	2	0
sugar	90	49	41	fennel seed	2	2	0
garlic	70	34	36	bay leaves	2	1	1
cinnamon	62	19	43	olive oil	2	2	0
paprika	54	19	35	licorice	2	1	1
cloves	42	24	18	A-1 sauce	2	1	1
nutmeg	41	17	24	chives	1	1	0
spice	40	22	18	herbs	1	0	1
ketchup (catsup)	37	24	13	cayenne	1	1	0
vinegar	28	17	11	sweeting	1	0	1
lemon	25	8	17	sweet	1	1	0
mustard	24	19	5	sour	1	1	0
chocolate	21	10	11	ciculatory	1	1	0
oregano	18	7	11	okasano	1	1	0
almond	17	2	15	cream of tomato	1	0	1
onion	16	5	11	mace	1	1	0
thyme	14	8	6	tarrason	1	1	0
onion salt	10	3	7	all spice	1	1	0
oil	9	5	4	cherry	1	1	0
sage	8	3	5	poppy seeds	1	1	0
orange	9	3	6	tumeric	1	1	0
peppermint	7	2	5	gravy	1	1	0
parsley	7	5	2	salad dressing	1	1	0
butter	7	5	2	poultry seasoning	1	0	1
ginger	6	1	5	basol	1	0	1
worcestershire				dry mustard	1	0	1
sauce	6	4	2	maple	1	0	1
strawberry	5	3	2	red pepper	1	0	1
relish	5	3	2	horseradish	1	0	1
mint	5	3	2	molasses	1	0	1
allspice	4	3	1	caraway seed	1	0	1
cheese	4	3	1	celery seed	1	0	1
curry	4	1	3	meat tenderizer	1	0	1
rum	4	1	3	flavoring	1	0	1
accent	4	2	2	chili sauce	1	1	0
chili	3	1	2	sodium mgn	1	1	0
rosemary	3	0	3	basol leaf	1	1	0
sauce	3	2	1	limo	1	1	0
garlic salt	3	2	1	peach	1	1	0
mono sodium				hickory	1	1	0
glutinate	3	2	1	saccharine	1	1	0
seasoning	2	0	2	syrup	1	1	0
marjoram	2	1	1	pickle	1	1	0
hayleaf	2	0	2	tartar	1	1	0
coffee	2	0	2	grape	1	0	1
celery	2	2	0	choy sauce	1	0	1
mayonnaise	2	2	0				
omissions	53	39	14	illegible words	9	6	3

## A TYPE OF FOOTGEAR

-15-

Items	T	M	F	Items	T	M	F
shoe(s)	355	186	169	sneak(s)	7	6	1
shoe	(259)	(148)	(111)	sneak	(5)	(5)	(0)
shoes	(96)	(38)	(58)	sneaks	(2)	(1)	(1)
boot(s)	296	131	165	skis	6	1	5
boot	(195)	(96)	(99)	high heels	5	1	4
boots	(101)	(35)	(66)	clog(s)	4	2	2
rubber(s)	188	102	86	clog	(2)	(1)	(1)
rubber	(92)	(56)	(38)	clogs	(2)	(1)	(1)
rubbers	(96)	(46)	(50)	spikes	4	3	1
slipper(s)	140	69	71	saddle(s)	4	1	3
slipper	(100)	(53)	(47)	saddle	(1)	(0)	(1)
slippers	(40)	(16)	(24)	saddles	(3)	(1)	(2)
sock(s)	120	56	64	track shoes	4	3	1
sock	(86)	(43)	(43)	oxfords	3	0	3
socks	(34)	(13)	(21)	pedals	3	0	3
sneaker(s)	84	36	48	saddle shoes	3	0	3
sneaker	(57)	(29)	(28)	dutch	3	1	2
sneakers	(27)	(7)	(20)	flats	3	1	2
sandal(s)	72	47	25	souff	3	1	2
sandal	(50)	(36)	(14)	ski boot	3	0	3
sandals	(22)	(11)	(11)	white bucks	2	0	2
loafer(s)	33	13	20	roller skates	2	0	2
loafer	(19)	(10)	(9)	ice skates	2	1	1
loafers	(14)	(3)	(11)	brogans	2	1	1
moccasin(s)	31	23	8	spats	2	2	0
moccasin	(26)	(22)	(4)	bucks	2	2	0
moccasins	(5)	(1)	(4)	hip boots	2	2	0
galosh(es)	22	13	9	geta	2	2	0
galosh	(2)	(1)	(1)	opera pumps	2	0	2
galoshes	(20)	(12)	(8)	ski shoes	2	1	1
stocking(s)	21	6	18	tennis shoes	2	0	2
stocking	(14)	(6)	(8)	pac	2	2	0
stockings	(7)	(0)	(7)	cleats	2	1	1
arctic(s)	20	17	3	baseball shoes	1	0	1
arctic	(13)	(12)	1	car	1	0	1
arctics	(7)	(5)	(2)	football shoes	1	0	1
snowshoe(s)	19	13	6	cliques	1	0	1
snowshoe	(9)	(8)	(1)	clutch	1	0	1
snowshoes	(10)	(5)	(5)	gater	1	0	1
overshoe(s)	14	11	3	machine	1	0	1
overshoe	(9)	(8)	(1)	hook	1	0	1
overshoes	(5)	(3)	(2)	fins	1	0	1
heel(s)	10	1	9	climbing shoes	1	1	0
heel	(1)	(0)	(1)	swim fins	1	1	0
heels	(9)	(1)	(8)	cordovan	1	1	0
skate(s)	8	2	6	shoe pac	1	1	0
skate	(4)	(1)	(3)	tennis	1	1	0
skates	(4)	(1)	(3)	break	1	0	1
pump(s)	7	1	6	gas	1	0	1
pump	(6)	(1)	(5)	ballet slipper	1	0	1
pumps	(1)	(0)	(1)	hiking shoe	1	0	1

## A TYPE OF FOOTWEAR (cont.)

-16-

Items	T	M	F	Items	T	M	F
golf shoes	1	0	1	steppers	1	1	0
pump heel	1	0	1	muck-lucks	1	1	0
mule slipper	1	0	1	toe nails	1	1	0
spurs	1	0	1	hosiery	1	1	0
bedroom slippers	1	0	1	gas pedal	1	0	1
mules	1	0	1	bike pedal	1	0	1
stadium boots	1	0	1	wadders	1	0	1
high boots	1	1	0				
omissions	38	26	12	illegible words	8	3	5

## A FOUR FOOTED ANIMAL

Items	T	M	F	Items	T	M	F
dog	369	183	186	donkey	3	0	3
cat	326	156	170	moose	2	2	0
horse	209	88	121	gazelle	2	1	1
cow	164	69	95	lynx	2	2	0
bear	86	31	35	cheetah	2	1	1
lion	48	31	17	hog	2	2	0
deer	47	23	24	beaver	2	0	2
rat	35	19	16	hamster	2	0	2
fox	33	22	11	sloth	2	2	0
rabbit	33	19	14	gnu	1	1	0
tiger	30	19	11	turtle	1	1	0
sheep	28	13	15	camel	1	0	1
elephant	27	18	9	possum	1	1	0
goat	22	12	10	buffalo	1	1	0
pig	20	9	11	pony	1	1	0
mouse(nice)	18	10	8	ardvark	1	1	0
mouse	(16)	(8)	(8)	rhinoceros	1	1	0
mice	(2)	(2)	(0)	weasel	1	1	0
wolf	16	12	4	man	1	0	1
squirrel	10	6	4	chipmunk	1	0	1
lamb	8	2	8	mole	1	0	1
mule	7	4	3	gorilla	1	0	1
leopard	6	2	4	kangaroo	1	1	0
bull	6	6	0	armadillo	1	1	0
skunk	5	1	4	doe	1	1	0
monkey	5	2	3	cattle	1	1	0
panther	4	3	1	platypus	1	1	0
raccoon(coon)	4	3	1	elk	1	1	0
raccoon	(3)	(2)	(1)	muskrat	1	1	0
coon	(1)	(1)	(0)	antelope	1	1	0
zebra	3	2	1				
omissions	5	5	0	illegible words	3	3	0

## A CHEMICAL ELEMENT

-17-

Items	T	M	F	Items	T	M	F
oxygen	238	108	130	alcohol	2	1	1
hydrogen	219	98	121	nitrate	2	1	1
nitrogen	116	47	69	hydrochloride	2	1	1
sulphur	97	42	56	platinum	2	1	1
carbon	93	42	51	aspirin	2	2	0
iron	68	35	33	plutonium	2	2	0
sodium	62	37	25	electron	2	0	2
helium	48	27	21	air	2	1	1
chlorine	47	20	27	ion	2	0	2
copper	42	26	16	bromide	2	2	0
phosphorus	38	16	22	dextrose	1	1	0
potassium	34	18	16	bismuth	1	1	0
calcium	30	10	20	cadium	1	1	0
zinc	27	14	13	nitric acid	1	0	1
lead	22	14	8	permanganate	1	0	1
gold	22	7	15	carbonate	1	0	1
silver	20	7	13	base	1	0	1
aluminum	19	8	11	catalyst	1	0	1
magnesium	19	6	13	strontium	1	1	0
argon	17	7	10	sulfurous acid	1	1	0
water	17	13	4	hydrofluoric acid	1	1	0
mercury	16	6	10	molecule	1	0	1
uranium	14	8	6	isotope	1	0	1
chloride	13	9	4	nitroglycerine	1	0	1
fluorine	10	6	4	arsenic	1	1	0
acid	9	5	4	hydrogen chloride	1	1	0
iodine	9	5	4	nitric	1	0	1
neon	7	3	4	carbon chloride	1	0	1
lithium	7	6	1	gattassuems	1	1	0
carbon dioxide	6	4	2	acetic acid	1	1	0
cobalt	6	0	6	SL	1	1	0
manganese	6	6	0	charcoal	1	1	0
bromine	6	3	3	medicine	1	1	0
salt	6	6	0	ozone	1	1	0
boron	5	4	1	sulphide	1	1	0
sulphuric acid	5	4	1	sulphate	1	1	0
tin	4	3	1	hydrochloric	1	1	0
oxide	4	2	2	xenon	1	1	0
atom	4	1	3	earth	1	1	0
gas	4	2	2	bicarbonate of soda	1	1	0
ammonia	3	3	0	zinc oxide	1	1	0
coal	3	2	1	carbon monoxide	1	1	0
neutron	3	1	2	formaldehyde	1	0	1
proton	3	0	3	tincture of iodine	1	0	1
phosphate	3	2	1	agar	1	0	1
hydrochloric acid	3	2	1	sodium chloride	1	0	1
beryllium	3	2	1	xylol	1	0	1
radium	3	2	1	acetone	1	0	1
barium	3	3	0	mercuric chloride	1	0	1
silicon	2	2	0	tungsten	1	1	0

## A CHEMICAL ELEMENT (cont.)

-18-

Items	T	M	F	Items	T	M	F
ferous iron	1	1	0	ether	1	1	0
hydroxide	1	1	0	sodium hydroxide	1	1	0
salt peter	1	1	0	sodium sulphate	1	1	0
antimony	1	1	0	carbon tetrachlor-			
nitro	1	1	0	ide	1	1	0
neptunium	1	1	0	californium	1	1	0
carbohydrate	1	1	0	nickle	1	0	1
germanium	1	1	0	glycose	1	0	1
omissions	56	46	10	illegible words	4	3	1

## A TYPE OF DANCE

Items	T	M	F	Items	T	M	F
waltz	302	151	151	hora	2	1	1
foxtrot	282	142	140	meringue	2	0	2
rhumba	209	107	102	jig	2	2	0
mambo	121	58	63	turkey trot	1	0	1
tango	103	55	48	drag	1	1	0
polka	92	48	44	smooth	1	1	0
samba	78	37	41	primitive	1	0	1
cha cha	73	23	50	mexican hat	1	0	1
bop	56	28	28	cakewalk	1	0	1
jitterbug	49	25	24	jive	1	0	1
square(dance)	36	21	15	leap	1	0	1
square	(31)	(20)	(11)	contemporary	1	0	1
square dance	(5)	(1)	(4)	swing	1	1	0
lindy	28	17	11	mazurka	1	1	0
ballet	19	8	13	fox step	1	0	1
charleston	18	9	9	combo	1	0	1
rock 'n roll	11	7	4	hop	1	0	1
minuet	9	3	6	pop	1	1	0
modern	8	0	8	march	1	1	0
conga	8	7	1	war	1	1	0
calypso	8	3	5	trot	1	1	0
tap	7	2	5	barn	1	1	0
folk(dance)	6	1	5	formal	1	1	0
folk	(4)	(1)	(3)	semi-formal	1	1	0
folk dance	(2)	(0)	(2)	masquerade	1	1	0
ballroom	5	2	3	highland fling	1	0	1
two step	5	3	2	hoe down	1	1	0
bunny hop	3	1	2	reel	1	1	0
bebop	3	2	1	pavanne	1	1	0
big apple	3	3	0	gavotte	1	1	0
tarantella	3	2	1	maramba	1	0	1
round	2	2	0	informal	1	1	0
hula	2	1	1				
omissions	15	13	2	illegible words	1	1	0

## A FLOWER

-19-

Items	T	M	F	Items	T	M	F
rose	356	172	184	root	3	1	2
violet	136	64	72	bleeding heart	2	1	1
tulip	101	63	38	forsythia	2	1	1
daisy	101	48	53	mountain laurel	2	1	1
orchid	89	32	57	forget-me-not	2	0	2
carnation	75	22	53	pompoms	2	1	1
lily	69	38	31	narcissus	2	1	1
pansy	59	30	29	peonia	2	0	2
gardenia	51	25	26	bachelor's button	1	0	1
sunflower	49	35	14	ageradums	1	1	0
daffodil	48	18	30	stalk	1	1	0
petunia	47	28	19	gene	1	1	0
lilac	40	16	24	flock	1	1	0
iris	38	21	15	clover	1	1	0
chrysanthemum	30	15	15	portulaca	1	0	1
chrysanthemum	(18)	(11)	(7)	pinces	1	0	1
mum	(12)	(4)	(8)	four o'clock	1	0	1
aster	22	13	9	pinks	1	0	1
lily-of-the-valley	18	3	15	pricker	1	0	1
gladiola	18	11	7	baby's breath	1	0	1
dandelion	18	14	4	gentians	1	0	1
sweet pea	16	9	7	pea	1	1	0
sinia	14	7	7	cyclamin	1	0	1
merigold	14	8	6	orchard	1	0	1
poppy	12	8	4	zenia	1	0	1
geranium	12	10	2	oxypetallun	1	0	1
camellia	10	3	7	water lily	1	1	0
morning glory	9	7	2	african violet	1	0	1
buttercup	8	5	3	lotus	1	1	0
azalea	7	4	3	glad	1	1	0
snapdragons	7	2	5	magnolia	1	1	0
honeysuckle	5	3	2	sun	1	1	0
peony	5	2	3	coleus	1	0	1
petal	5	1	4	passion	1	0	1
begonia	4	3	1	clematis	1	0	1
dahlia	4	2	2	cornflower	1	0	1
hyacinth	3	1	2	gerbera	1	0	1
stem	3	0	3	peach blossom	1	1	0
nasturtium	3	2	1	goldenrod	1	1	0
phlox	3	2	1	dogwood	1	1	0
hollyhock	3	1	2	blackeyed susan	1	1	0
apple blossom	3	1	2	hydiema	1	1	0
leaf	3	0	3	mayflower	1	0	1
blossom	3	0	3				
omissions	23	22	1	illegible words	6	5	1

Items	T	M	F	Items	T	M	F
maple	290	141	149	olive	2	2	0
oak	288	142	146	mahogany	2	2	0
elm	200	102	98	linden	2	0	2
pine	104	44	60	roofs	1	0	1
birch	98	50	48	tall	1	1	0
spruce	73	41	32	red pine	1	0	1
apple	54	28	26	white pine	1	0	1
fir	52	23	29	sausage	1	0	1
ash	44	23	21	acorn	1	0	1
willow	40	22	18	twig	1	0	1
chestnut	29	14	15	sequoia	1	0	1
cedar	27	16	12	linden tree	1	0	1
weeping willow	23	5	18	eucalyptus	1	0	1
dogwood	20	12	8	huckleberry	1	0	1
cherry	19	12	7	sweet gum	1	0	1
beech	19	9	10	wood	1	1	0
walnut	18	11	7	apple tree	1	1	0
pear	17	7	10	ginto	1	1	0
evergreen	16	5	11	nut	1	1	0
poplar	16	8	8	magnolia	1	0	1
redwood	15	10	5	quince	1	1	0
peach	12	7	5	fire	1	1	0
palm	11	6	5	ebony	1	1	0
hemlock	10	6	4	coconut	1	1	0
cypress	6	3	3	banana	1	0	1
hickory	6	4	2	empress	1	0	1
sycamore	6	5	1	shrub	1	0	1
fig	5	3	2	butternut	1	0	1
fruit	4	1	3	hickory nut	1	0	1
orange	4	2	2	crab apple	1	0	1
fern	4	3	1	juniper	1	0	1
leaves	2	1	1	tulip	1	1	0
aspen	2	1	1	rose	1	1	0
branches	2	1	1	lemon	1	1	0
horse chestnut	2	1	1	balsam	1	1	0
giant redwood	2	1	1	sassafras	1	1	0
catalpa	2	0	2	ming	1	1	0
white birch	2	1	1				
omissions	5	1	4	illogible words	11	10	1



## A TYPE OF HUMAN DWELLING

-21-

Items	T	M	F	Items	T	M	F
house	359	180	179	hogan	2	1	1
apartment	158	75	83	church	2	1	1
tent	154	85	69	lodge	2	0	2
hut	144	70	74	grass hut	2	1	1
trailer	84	45	39	ranch style	2	1	1
cave	66	34	32	hospital	2	2	0
hotel	55	31	24	slum	2	2	0
cottage	54	16	38	cape cod	2	1	1
igloo	50	20	30	log cabin	2	2	0
cabin	49	17	32	apartment house	2	1	1
shack	45	24	21	brick house	1	1	0
mansion	37	16	21	pre cut	1	0	1
home	35	17	18	pre fab	1	0	1
teepaa	27	17	10	garage	1	0	1
motel	20	13	7	lake house	1	0	1
dormitory	16	4	12	farm	1	0	1
castle	15	5	10	jail	1	1	0
building	12	11	1	water	1	1	0
palace	9	7	2	suite	1	1	0
penthouse	9	6	3	skyscraper	1	1	0
flat	8	8	2	bunker	1	1	0
barracks	8	5	3	fire station	1	1	0
ranch	8	1	7	domicile	1	0	1
boat	8	5	3	tree hut	1	0	1
estate	7	1	6	farm house	1	0	1
lean to	7	5	2	quonsett hut	1	0	1
bungalow	6	3	3	shop	1	0	1
tenement	5	1	4	ranch home	1	0	1
ranch house	5	0	5	shed	1	1	0
adobe	5	3	2	cellar	1	1	0
pueblo	5	1	4	garret	1	1	0
abode	4	2	2	No. 10 Downing St.	1	1	0
hovel	4	3	1	BOQ	1	1	0
room	4	3	1	wigwam	1	1	0
houseboat	4	3	1	shelter	1	1	0
tree house	4	2	2	healthy	1	1	0
colonial	3	0	3	sweet	1	1	0
tree	3	1	2	filthy	1	1	0
duplex	3	0	3	mud hut	1	1	0
barn	3	1	2				
omissions	47	30	17	illegible words	2	1	1

Items	T	M	F
cancer	201	108	93
measles	162	61	101
tuberculosis	161	77	84
polio	107	48	80
mumps	106	40	65
chickenpox	70	22	48
heart disease	60	27	33
diphtheria	45	21	24
pneumonia	42	14	28
scarlet fever	41	15	26
small pox	38	26	12
cold	38	21	17
malaria	37	20	17
syphilis	37	26	11
typhoid	32	18	14
diabetes	24	9	15
yellow fever	23	19	4
influenza	19	5	14
leprosy	18	16	2
virus	17	9	8
whooping cough	12	3	9
lukemia	11	9	2
cerebral palsey	10	3	7
rheumatic fever	9	3	6
gonorrhea	9	8	1
VD	9	8	1
mononucleosis	8	3	5
arthritis	8	3	5
muscular distrophy	7	3	4
asthma	7	4	3
cholera	7	4	3
multiple sclerosis	6	3	3
meningitis	5	3	2
jaundice	5	5	0
beri beri	5	4	1
pellagra	5	1	4
bronchitis	4	2	2
hepatitis	4	2	2
rheumatism	4	4	0
rabies	4	2	2
hemophilia	4	4	0
skin disease	3	0	3
hay fever	3	2	1
rickets	3	1	2
scurvy	3	2	1
paralysis	3	3	0
nephritis	3	3	0
venereal	3	3	0
gangrene	3	3	0
arteriosclerosis	3	1	2
heart trouble	3	1	2
Addison's	2	1	1

Items	T	M	F
fungi	2	0	2
trichinosis	2	1	1
tularemia	2	1	1
lumbago	2	0	2
strep throat	2	1	1
tonsillitis	2	1	1
mental	2	2	0
Parkinson's	2	2	0
epilepsy	2	2	0
bubonic plague	2	2	0
black plague	2	2	0
athlete's foot	2	2	0
diarrhea	2	1	1
encephalitis	2	1	1
fever	2	2	0
hoof mouth	2	2	0
pulmonary	1	1	0
botulism	1	1	0
cardiac disease	1	0	1
dysentery	1	0	1
colitis	1	1	0
cystitis	1	0	1
yellow jaundice	1	0	1
blindness	1	0	1
deaf	1	0	1
dormititis	1	0	1
nervous condition	1	0	1
teutonic plague	1	0	1
tape worm	1	0	1
hives	1	0	1
hemorrhoids	1	1	0
muscular	1	1	0
cowpox	1	1	0
myopia	1	1	0
elephantitis	1	1	0
coccoidis	1	1	0
Bright's	1	1	0
alcoholic	1	1	0
herpes	1	1	0
Bell's palsey	1	1	0
upset stomach	1	1	0
cardiac	1	1	0
trench mouth	1	1	0
plague	1	1	0
insanity	1	0	1
spinal meningitis	1	0	1
peritonitis	1	0	1
ulcer	1	0	1
ringworm	1	0	1
palsey	1	0	1
sinus	1	0	1
distemper	1	0	1

## A DISEASE (cont.)

-23-

Items	T	M	F	Items	T	M	F
liver	1	0	1	insomnia	1	1	0
grippe	1	0	1	anemia	1	1	0
organic	1	0	1	pleurisy	1	1	0
heart failure	1	1	0	schizophrenia	1	1	0
Hodgkin's	1	1	0	osteosis	1	1	0
coronary thrombosis	1	1	0	sugar diabetes	1	1	0
blood	1	1	0	heart	1	1	0
kidney	1	1	0	typhus	1	1	0
cardio vascular	1	1	0	tumor	1	0	1
Grave's	1	1	0	MDA	1	0	1
sleeping	1	1	0				
omissions	48	35	13	illegible words	11	7	4

## A VEHICLE

Items	T	M	F	Items	T	M	F
car	380	184	196	buggy	3	1	2
bus	210	83	127	tricycle	2	2	0
train	161	63	98	cab	2	0	2
airplane(plane)	157	63	94	jet	2	1	1
plane	(114)	(42)	(72)	streetcar	2	0	2
airplane	(43)	(21)	(22)	halftruck	2	2	0
truck	149	99	50	station wagon	2	2	0
bicycle	136	63	73	convertible	2	2	0
bicycle	(80)	(37)	(43)	skates	2	2	0
bike	(56)	(26)	(30)	submarine	2	2	0
boat	74	34	40	van	1	1	0
motorcycle	51	30	21	mule	1	0	1
wagon	50	31	19	horse & buggy	1	1	0
scooter	25	15	10	donkey	1	0	1
automobile	19	15	4	horse back	1	0	1
suto	(14)	(12)	(2)	volkswagon	1	1	0
automobile	(5)	(3)	(2)	a language	1	1	0
jeep	17	14	3	hearse	1	1	0
trolley	16	7	9	stagecoach	1	0	1
tank	16	11	5	sleigh	1	0	1
cart	14	10	4	cycle	1	0	1
tractor	13	11	2	ricksha	1	1	0
ship	12	7	5	locomotive	1	1	0
taxi	11	6	5	coach	1	1	0
carriage	9	2	7	schooner	1	1	0
trailer	7	3	4	balloon	1	1	0
sled	7	6	1	legs	1	1	0
wheelbarrow	5	3	2	sno-truck	1	1	0
subway	4	2	2	poststick	1	1	0
horse	4	1	3	aircraft	1	1	0
omissions	11	9	2	illegible word	1	0	1

## A SNAKE

-24-

Items	T	M	F
rattlesnake	326	157	169
rattle	(133)	(55)	(78)
rattler	(106)	(61)	(45)
rattlesnake	(87)	(41)	(46)
cobra	151	92	59
copperhead	131	73	58
black snake(black)	121	68	53
black snake	(13)	(8)	(5)
black	(108)	(60)	(48)
boa constrictor	115	48	67
boa constrictor	(76)	(30)	(46)
boa	(37)	(17)	(20)
constrictor	(2)	(1)	(1)
garden snake(garden)	92	53	39
garden	(75)	(29)	(46)
garden snake	(17)	(4)	(13)
garter snake(garter)	91	37	54
garter	(87)	(36)	(51)
garter snake	(4)	(1)	(3)
water moccasin			
(moccasin)	80	42	38
water moccasin	(38)	(15)	(23)
moccasin	(42)	(27)	(15)
python	73	51	22
grass snake(grass)	61	27	34
grass	(50)	(22)	(28)
grass snake	(11)	(5)	(6)
coral snake(coral)	53	37	16
coral	(50)	(34)	(16)
coral snake	(3)	(0)	(3)
water snake(water)	46	17	29
water	(38)	(15)	(23)
water snake	(8)	(2)	(6)
king snake(king)	35	25	10
king	(28)	(20)	(8)
king snake	(7)	(5)	(2)
adder	22	13	9
asp	19	13	6
cotton mouth	15	8	7
milk snake(milk)	13	9	4
milk snake	(8)	(6)	(2)
milk	(5)	(3)	(2)

Items	T	M	F
diamond	6	4	2
diamond	(2)	(1)	(1)
diamond head	(2)	(1)	(1)
diamond back	(2)	(2)	(0)
poisonous	6	2	4
copper	5	1	4
green snake(green)	5	2	3
green snake	(3)	(1)	(2)
green	(2)	(1)	(1)
poison	4	1	3
anaconda	4	3	1
reptile	3	1	2
viper	3	3	0
non-poisonous	2	2	0
glass	2	1	1
slimy	1	1	0
sly	1	0	1
creeping	1	0	1
ringneck	1	0	1
corn	1	0	1
bull	1	0	1
fangs	1	0	1
teeth	1	0	1
long	1	0	1
yellow snake	1	0	1
crocodile	1	0	1
flat headed adder	1	0	1
bite	1	1	0
woods	1	1	0
mustoings	1	1	0
Dekay's	1	1	0
keeled green	1	1	0
pinl-eye	1	1	0
whip	1	1	0
puff adder	1	0	1
eel	1	0	1
king cobra	1	0	1
venomous	1	0	1
black indigo	1	0	1
omissions	91	23	63
illegible word	1	1	0

## A NATURAL EARTH FORMATION

-25-

Items	T	M	F	Items	T	M	F
mountain	307	155	152	dune	2	1	1
hill	176	91	85	monadnock	2	2	0
valley	167	88	79	shore	2	0	2
river	88	40	48	river-valley	2	1	1
rock	73	21	52	earthquake	2	0	2
lake	72	33	39	pit	2	1	1
cliff	42	21	21	bay	2	1	1
plain	41	22	19	peninsula	2	1	1
volcano	40	18	22	saddle	2	2	0
canyon	34	15	19	esker	2	1	1
cave	31	13	18	slope	2	2	0
plateau	28	11	17	ledge	2	2	0
gully	28	17	11	gold	2	2	0
ocean	23	14	9	culvert	2	2	0
desert	17	8	9	gravel	2	1	1
soil	13	2	11	grass	2	1	1
cavern	13	6	7	fault	2	0	2
glacier	13	7	6	earth	2	1	1
sea	12	9	3	butte	2	2	0
gorge	12	11	1	knoll	2	2	0
crevice	12	7	5	clay	2	1	1
stream	12	8	4	pond	1	0	1
sand	11	4	7	jungle	1	0	1
crater	9	4	5	touraine	1	0	1
ridge	7	5	2	reefs	1	0	1
mound	7	6	1	diamond	1	0	1
stone	7	4	3	polished stones	1	0	1
dirt	6	1	5	mud	1	0	1
stalagmite	6	4	2	sky	1	0	1
ravine	6	6	0	wind	1	1	0
coal	6	4	2	minerals	1	1	0
grand canyon	6	3	3	ore	1	1	0
water	5	0	5	pebbles	1	0	1
hole	5	4	1	cuesta	1	0	1
island	5	3	2	carbon	1	0	1
chasm	5	2	3	precipice	1	0	1
waterfall	5	1	4	fault line	1	0	1
river bed	5	2	3	lee	1	1	0
erosion	4	3	1	tides	1	1	0
geyser	4	2	2	delta	1	1	0
natural bridge	4	3	1	peneplane	1	1	0
oil	4	2	2	batholith	1	1	0
tree	4	0	4	humped land mound	1	0	1
lava	3	1	2	swamp	1	1	0
vale	3	1	2	uranium	1	1	0
stalagtite	3	2	1	silver	1	1	0
dale	3	2	1	creek bed	1	1	0
sand dune	3	2	1	forest	1	1	0
drumlin	3	2	1	strata	1	1	0
mesa	3	1	2	lime	1	1	0
brook	3	1	2	contour	1	1	0
iceberg	3	1	2	gap	1	1	0

## A NATURAL EARTH FORMATION (cont.)

-26-

Items	T	M	F	Items	T	M	F
slate	1	1	0	gas	1	0	1
falls	1	1	0	hill-valley	1	0	1
limestone	1	1	0	harbor	1	0	1
rock pile	1	1	0	water	1	0	1
landslide	1	1	0	plants	1	0	1
hummock	1	1	0	Conn. river	1	0	1
coral reef	1	1	0	lookout mtn.	1	0	1
hump	1	1	0	Sierra Nevadas	1	0	1
iron deposits	1	1	0	bridge	1	0	1
u-shaped valley	1	0	1	palisade	1	0	1
basin	1	0	1	stream bed	1	1	0
boulder	1	0	1	beach	1	1	0
humus	1	0	1	rock strata	1	1	0
weeds	1	0	1	sink hole	1	1	0
stone face	1	0	1	crack	1	1	0
niagra falls	1	0	1	Mt. Vesuvius	1	1	0
lagoon	1	0	1	pot hole	1	1	0
ditch	1	0	1	old faithful	1	1	0
air	1	0	1	earthquake hole	1	1	0
bluff	1	0	1	vegetation	1	0	1
dell	1	0	1	continent	1	0	1
topsoil	1	0	1	star	1	0	1
pool	1	0	1	planet	1	0	1
omissions	72	42	30	illegible words	7	4	3

## A UNIT OF TIME

Items	T	M	F	Items	T	M	F
hour	383	192	191	era	1	1	0
minute	367	177	190	tick	1	1	0
second	357	178	179	sideral	1	1	0
day	315	160	155	lunar	1	1	0
year	65	32	33	decybel	1	0	1
week	26	12	14	standard	1	1	0
month	23	10	13	daylight	1	1	0
century	11	7	4	moment	1	1	0
decade	10	9	1	generation	1	1	0
light year	5	4	1	watch	1	0	1
$\frac{1}{2}$ hour	4	1	3	clock	1	0	1
eon	3	1	2	night	1	0	1
microsecond	3	2	1	millisecond	1	0	1
fortnight	2	2	0	degree	1	1	0
eternity	2	0	2				
omissions	10	4	6				

## A PART OF A BUILDING

-27-

Items	T	M	F	Items	T	M	F
roof(s)	242	118	124	cornice	6	6	0
roof	(241)	(118)	(123)	corridor(s)	5	1	4
roofs	(1)	(0)	(1)	corridor	(4)	(1)	(3)
window(s)	220	97	123	corridors	(1)	(0)	(1)
window	(193)	(85)	(108)	stairway	5	4	1
windows	(27)	(12)	(15)	gable	5	4	1
door(s)	202	86	117	front	4	3	1
door	(194)	(81)	(113)	framework	4	1	3
doors	(8)	(4)	(4)	closet(s)	4	1	3
wall(s)	156	81	75	closet	(3)	(1)	(2)
wall	(122)	(63)	(59)	closets	(1)	(0)	(1)
walls	(34)	(18)	(16)	frame	4	1	3
floor(s)	126	67	59	shingle	4	2	2
floor	(116)	(61)	(55)	steeples	4	3	1
floors	(10)	(6)	(4)	annex	4	1	3
stair(s)	54	20	34	elevator	4	1	3
stair	(4)	(0)	(4)	corner	3	2	1
stairs	(50)	(20)	(30)	doorway	3	1	2
room(s)	52	23	29	rafter(s)	3	2	1
room	(45)	(19)	(26)	rafter	(1)	(1)	(0)
rooms	(7)	(4)	(3)	rafters	(2)	(1)	(1)
ceiling(s)	50	21	29	back	3	2	1
ceiling	(49)	(21)	(28)	lights	3	1	2
ceilings	(1)	(0)	(1)	bedroom	3	3	0
cellar	44	24	20	entrance	3	3	0
chimney	36	18	18	staircase	3	2	1
foundation	35	24	11	lobby	2	1	1
basement	35	22	13	sill	2	2	0
hall(s)	27	15	12	garage	2	2	0
hall	(24)	(14)	(10)	bathroom	2	2	0
halls	(3)	(1)	(2)	office	2	2	0
porch	27	15	12	dining room	2	2	0
attic	23	12	11	dormer	2	1	1
step(s)	20	9	11	column	2	1	1
step	(4)	(0)	(4)	lounge	2	2	0
steps	(16)	(9)	(7)	dome	2	2	0
wing	18	12	8	arch	2	1	1
facade	16	8	8	doorstep	2	1	1
brick(s)	14	5	9	stairwell	2	1	1
brick	(9)	(5)	(4)	vestibule	2	1	1
bricks	(5)	(0)	(5)	buttress(es)	2	1	1
hallway	9	6	3	buttress	(1)	(1)	(0)
side(s)	8	4	4	buttresses	(1)	(0)	(1)
side	(4)	(2)	(2)	apartment	1	1	0
sides	(4)	(2)	(2)	pillar	1	1	0
ell	7	1	6	balcony	1	0	1
eave(s)	7	5	2	desk	1	0	1
eave	(1)	(1)	(0)	joist	1	1	0
eaves	(6)	(4)	(2)	stud	1	1	0
beam(s)	6	2	4	lumber	1	1	0
beam	(3)	(0)	(3)	navc	1	1	0
beams	(3)	(2)	(1)	ledge	1	1	0



## A PART OF A BUILDING (cont.)

-28-

Items	T	M	F	Items	T	M	F
living room	1	1	0	exit	1	1	0
floor-foundation	1	0	1	first floor	1	1	0
entablature	1	1	0	cross beams	1	1	0
base	1	1	0	shed	1	1	0
main floor	1	1	0	stoop	1	1	0
alcove	1	1	0	top	1	1	0
ceiling	1	1	0	terrace	1	1	0
classroom	1	1	0	kitchen	1	1	0
cocktail lounge	1	1	0	stucco	1	1	0
lavatory	1	1	0	patio	1	1	0
landing	1	0	1	veranda	1	1	0
pane	1	0	1	cupola	1	1	0
house	1	0	1	foyer	1	1	0
school	1	0	1	rumpus room	1	1	0
church	1	0	1	den	1	1	0
institution	1	0	1	storey	1	0	1
court	1	0	1	molding	1	0	1
edifice	1	1	0	outside	1	0	1
doorframe	1	1	0				
omissions	11	6	5	illegible words	2	2	0

## A MUSICAL INSTRUMENT

Items	T	M	F	Items	T	M	F
piano	286	115	171	cornet	7	7	0
violin	214	87	127	harmonica	5	3	2
trumpet	175	99	76	bass fiddle	4	3	1
drums	146	84	61	fiddle	3	2	1
clarinet	106	57	49	xylophone	3	1	2
saxophone	106	68	38	bag pipe	2	1	1
saxophone	69	44	25	lute	2	2	0
sax	37	24	13	triangle	2	2	0
flute	94	48	46	cymbal	2	1	1
trombone	53	31	22	bass viol	2	0	2
oboe	47	22	25	mandolin	2	1	1
harp	42	13	29	uke	2	0	2
guitar	40	22	18	lyre	2	2	0
cello	35	12	23	bass drum	1	0	1
horn	34	15	19	reeds	1	1	0
tuba	26	20	6	Jew's harp	1	1	0
bass	24	11	13	tympani	1	1	0
accordion	20	9	11	double-bass	1	1	0
viola	19	9	10	sitar	1	1	0
organ	16	6	10	dulcimer	1	1	0
French horn	13	6	7	ukulele	1	0	1
bugle	12	7	5	balloon	1	0	1
banjo	11	6	5	tambourine	1	0	1
fife	9	5	4	vibes	1	0	1
bassoon	9	6	3	zither	1	1	0
piccolo	8	5	3	electric guitar	1	1	0
omissions	2	2	0	illegible words	3	2	1

## A TYPE OF SHIP

-29-

Items	T	M	F	Items	T	M	F
battle-ship	164	99	75	scow	4	2	2
destroyer	127	85	42	lightning	3	0	3
cruiser	115	66	47	fishing boat	3	3	0
carrier	107	66	41	steam liner			
sailboat	101	38	63	pleasure	3	2	1
submarine(sub)	85	36	49	brig	3	2	1
submarine	(77)	(32)	(45)	junk	3	2	1
sub	(8)	(4)	(4)	bark	3	3	0
rowboat	79	37	42	steamboat	3	0	3
yacht	58	23	36	ship	2	2	0
schooner	49	27	22	inboard motor	2	2	0
liner	49	21	28	show boat	2	1	1
canoe	36	11	25	tender	2	2	0
ocean liner	34	3	26	gunboat	2	0	2
steamer	33	18	15	Q-boat	2	0	2
sloop	32	21	11	galloon	2	1	1
steamship	27	9	18	4-masted	2	1	1
motorboat	25	5	20	aircraft	2	2	0
tanker	25	18	7	fishing	2	1	1
tugboat(tug)	24	8	16	troop carrier	2	2	0
tugboat	(17)	(6)	(11)	kayak	2	2	0
tug	(7)	(2)	(5)	sub chaser	2	2	0
speedboat	19	11	3	catboat	2	2	0
freighter	18	6	12	houseboat	2	0	2
passenger	18	7	11	fleet	2	0	2
luxury liner	15	6	9	commercial	2	0	2
transport	14	9	5	lifeboat	2	0	2
cargo	14	3	6	snipe	2	1	1
clipper	13	9	4	raft	2	0	2
dinghy	13	8	5	liferaft	2	2	0
warship(war)	10	5	5	escort	1	0	1
warship	(8)	(3)	(5)	diver	1	0	1
war	(2)	(2)	(0)	windjammer	1	0	1
yawl	9	5	4	gunner	1	0	1
skiff	8	6	2	whaling ship	1	0	1
boat	8	1	7	kinship	1	0	1
barge	8	3	5	airship	1	0	1
cabin cruiser	8	3	5	airplane	1	0	1
ketch	7	5	2	military ship	1	0	1
P.T.	7	5	2	diesel	1	1	0
LST	7	6	1	supply	1	1	0
troop	6	5	1	whale ship	1	1	0
sailing	6	4	2	whaling	1	1	0
launch	5	2	3	oil tanker	1	1	0
dory	5	1	4	flag ship	1	1	0
frigate	5	4	1	patrol boat	1	1	0
whaler	5	4	1	main craft	1	1	0
steam	5	2	3	oil ship	1	1	0
ferry	4	2	2	battle wagon	1	1	0
runabout	4	3	1	brigantine	1	1	0
vessel	4	1	3	yankee clipper	1	1	0

## A TYPE OF SHIP (cont.)

-30-

Items	T	M	F	Items	T	M	F
merchantman	1	1	0	sailing boat	1	0	1
sloop	1	1	0	chriscraft	1	0	1
racing boat	1	1	0	motor liner	1	0	1
excursion	1	1	0	Queen Mary	1	0	1
galley	1	0	1	torpedo boat	1	0	1
dragoon	1	1	0	transcontinental	1	0	1
oiler	1	1	0	gondola	1	0	1
sub tender	1	1	0	minesweeper	1	1	0
Exp. Patrol crash				luxury	1	1	0
rescue	1	1	0	star	1	1	0
small boat	1	1	0	outboard motor	1	1	0
chinese junk	1	1	0	scull	1	1	0
trading vessel	1	1	0	outboard	1	1	0
ice breaker	1	0	1	cuttor	1	1	0
sailfish	1	0	1	sea liner	1	0	1
omissions	61	14	47	illegible words	4	1	3

## AN ARTICLE OF CLOTHING

Items	T	M	F	Items	T	M	F
suit	203	153	50	scarf	5	2	3
hat	169	96	73	underwear	3	3	0
dress	144	10	134	handkerchief	2	2	0
pants	130	109	21	bermudas	2	0	2
coat	128	75	53	gown	2	0	2
skirt	123	9	114	pantaloons	1	1	0
sweater	115	35	30	topcoat	1	1	0
shoes	104	51	53	jock	1	1	0
blouse	94	6	88	argyles	1	1	0
socks	80	57	23	dickie	1	0	1
gloves	60	54	6	panties	1	1	0
trousers	46	20	26	underclothes	1	1	0
undershirt	43	31	12	stole	1	0	1
socks	35	27	8	blue jeans	1	0	1
undershirt	19	8	11	bathing suit	1	0	1
undershirt	14	12	2	bag	1	0	1
undershirt	14	1	13	cap	1	1	0
undershirt	11	9	2	overcoat	1	1	0
undershirt	10	3	7	cape	1	1	0
undershirt	10	1	9	petticoat	1	0	1
undershirt	9	8	1	cloak	1	0	1
brassiere(bra)	7	7	0				
brassiere	(3)	(3)	(0)	illegible words	2	2	0
bra	(4)	(4)	(0)				

Items	T	M	F
murder	356	179	177
rape	186	111	75
robbery	131	68	63
theft	101	51	50
assault	80	41	39
arson	64	37	27
stealing	61	13	48
steal	53	34	19
larceny	44	24	20
kidnapping	39	10	29
adultery	37	7	30
burglary	27	13	14
forgery	26	10	15
perjury	22	17	5
embezzlement	20	10	10
treason	17	10	7
kidnap	15	3	12
cheating	13	5	8
blackmail	13	5	8
speeding	12	8	4
kill	12	6	6
fraud	11	8	3
manslaughter	11	10	1
extortion	11	10	1
felony	9	4	5
killing	9	3	6
suicide	8	4	4
lying	7	0	7
slander	5	1	4
lie	5	5	0
battery	5	0	5
bigamy	5	3	2
rob	5	2	3
espionage	4	3	1
incest	4	3	1
dishonesty	3	1	2
embezzle	3	1	2
breaking & entering	3	2	1
bribery	3	3	0
trespassing	3	0	3
gambling	3	2	1
thief	2	0	2
hit & run driving	2	1	1
auto theft	2	1	1
pickpocket	2	2	0
sodomy	2	2	0
misdemeanor	2	1	1
spying	2	0	2
homocide	2	0	2
tort	2	1	1
sabotage	2	2	0
shooting	2	1	1

Items	T	M	F
death	2	0	2
robbing	2	1	1
narcotics	2	0	2
libel	2	1	1
war	2	1	1
hit & run	2	2	0
sexual	2	1	1
income tax cheating	1	0	1
law breaking	1	0	1
felonious assault	1	1	0
mutilation	1	1	0
chastisement	1	1	0
defalcation	1	1	0
selling narcotics	1	1	0
damage	1	1	0
speed	1	1	0
beating	1	1	0
subversion	1	1	0
mugging	1	1	0
bank robbery	1	1	0
grand larceny	1	0	1
drunkenness	1	0	1
swindle	1	0	1
criminal	1	1	0
jail	1	1	0
cruelty	1	1	0
car theft	1	1	0
driving too fast	1	0	1
hitting	1	0	1
thievery	1	0	1
prostitution	1	0	1
stab or knife	1	0	1
vandalism	1	0	1
stop light	1	0	1
plagiarism	1	0	1
stealing a car	1	0	1
cutting class	1	0	1
breach of promise	1	0	1
disobedience	1	0	1
destroy	1	1	0
assault & battery	1	1	0
poisoning	1	1	0
strangling	1	1	0
blasphemy	1	0	1
bribe	1	0	1
embezzling	1	0	1
slandering	1	0	1
bearing false witness	1	0	1
counterfeiting	1	0	1
injury	1	0	1
legal offense	1	0	1

## A CRIME (cont.)

-32-

Items	T	M	F	Items	T	M	F
bigotry	1	0	1	stabbing	1	1	0
violence	1	0	1	concealed weapon	1	1	0
over parking	1	0	1	con game	1	1	0
vagrancy	1	0	1	counterfeit	1	1	0
stolen cars	1	0	1	evasion	1	1	0
graft	1	0	1	car stealing	1	1	0
knifing	1	1	0	alcoholism	1	1	0
debt	1	1	0	pilferage	1	1	0
destruction	1	1	0	violent	1	0	1
false accusation	1	1	0				
omissions	51	22	29	illegible words	5	3	2

## A MEMBER OF THE CLERGY

Items	T	M	F	Items	T	M	F
priest	383	189	194	clergy	3	3	0
minister	328	152	176	reader	2	1	1
rabbi	285	139	146	brahman	2	0	2
bishop	93	45	48	druid	2	2	0
reverend	56	29	27	sub deacon	2	1	1
pope	50	28	22	alderman	2	0	2
deacon	35	19	16	sexton	2	1	1
pastor	34	13	21	clergyman	1	0	1
father	33	17	16	medicine man	1	1	0
nun	33	19	14	layman	1	0	1
monk	29	15	14	healer	1	1	0
cardinal	22	16	6	buddha	1	1	0
chaplin	15	10	5	alterman	1	0	1
missionary	12	5	7	undertaker	1	0	1
preacher	12	7	5	praactioneer	1	1	0
brother	11	4	7	collar	1	1	0
parson	11	8	3	cross	1	1	0
archbishop	8	2	6	buddhist	1	1	0
monsignor	7	2	5	alter boy	1	1	0
curate	6	3	3	clerk	1	0	1
doctor	6	3	3	Father Ahearn	1	0	1
elder	5	3	2	sachem	1	0	1
oantor	5	1	4	friar	1	0	1
sister	4	2	2	justice of the			
vicar	4	4	0	peace	1	0	1
rector	3	3	0	swami	1	0	1
canon	3	0	3	server	1	1	0
lama	3	3	0	crucifer	1	1	0
padre	3	0	3	chief	1	1	0
omissions	58	34	24	illegible words	2	2	0

Items	T	M	F	Items	T	M	F
robin	344	166	178	goose	3	2	1
sparrow	190	94	96	quail	3	2	1
bluejay(jay)	160	77	83	falcon	3	3	0
bluejay	(151)	(72)	(79)	vulture	3	3	0
jay	(9)	(5)	(4)	turkey	3	1	2
bluebird(blue)	144	59	85	crane	3	2	1
bluebird	(135)	(55)	(80)	peacock	3	0	3
blue	(9)	(4)	(5)	woodcock	2	2	0
canary	72	30	42	grackle	2	2	0
crow	70	34	36	grouse	2	2	0
wren	54	29	25	cuckoo	2	0	2
eagle	53	31	22	kingfisher	2	2	0
oriole	42	25	17	baltimore oriole	2	2	0
blackbird(black)	40	17	23	stork	2	1	1
blackbird	(33)	(12)	(21)	cowbird	2	1	1
black	(7)	(5)	(2)	red wing blackbird	2	0	2
hawk	35	26	9	whipoorwill	1	0	1
parrot	31	14	17	feather	1	0	1
cardinal	27	16	11	wing	1	0	1
hummingbird(humming)	22	7	15	lovebird	1	0	1
hummingbird	(17)	(6)	(11)	flicker	1	0	1
humming	(5)	(1)	(4)	red	1	0	1
parakeet	21	7	14	fly	1	1	0
swallow	19	10	9	color	1	1	0
woodpecker	17	5	12	small	1	1	0
pigeon	17	11	6	quick	1	1	0
starling	14	9	5	osprey	1	0	1
owl	12	7	5	teal	1	1	0
pheasant	12	11	1	gannet	1	1	0
duck	12	8	4	gold thrush	1	0	1
lark	10	6	4	phoebe	1	0	1
raven	9	6	3	cormorant	1	1	0
sea gull	7	3	4	java temple bird	1	1	0
dove	7	4	3	snow bird	1	1	0
chicken	7	2	5	kite	1	0	1
goldfinch	7	2	5	penguin	1	0	1
scarlet tanager(tngr)	7	3	4	sparrow hawk	1	1	0
scarlet tanager	(5)	(1)	(4)	rook	1	1	0
tanager	(2)	(2)	(0)	juncos	1	1	0
chickadee	6	2	4	cock-a-too	1	1	0
flamingo	5	2	3	barn swallow	1	1	0
finch	5	3	2	red breast	1	1	0
catbird(cat)	5	1	4	magpie	1	1	0
catbird	(3)	(1)	(2)	black crowned			
cat	(2)	(0)	(2)	night heron	1	1	0
ostrich	4	4	0	black duck	1	1	0
partridge	4	4	0	green heron	1	1	0
mockingbird(mocking)	4	2	2	snipe	1	1	0
mockingbird	(2)	(0)	(2)	brown thrush	1	1	0
mocking	(2)	(2)	(0)	heron	1	1	0
gull	4	2	2	harpy	1	0	1
thrush	3	1	2	mynah	1	0	1
nightingale	3	0	3				
omissions	16	9	7	illegible words	5	4	1

## A WEATHER PHENOMENON

-34-

Items	T	M	F	Items	T	M	F
rain	245	117	128	squall	2	1	1
snow	207	94	113	volcano	2	2	0
hurricane	167	104	63	twister	2	2	0
tornado	118	67	51	icestorm	2	1	1
sleet	116	47	69	wet	2	0	2
hail	101	47	54	damp	2	0	2
wind	67	30	37	whirlwind	2	0	2
typhoon	49	37	12	sunlight	2	1	1
cyclone	48	27	21	temperature	2	0	2
storm	37	20	17	sky	2	0	2
lightning	33	19	14	frost	2	0	2
flood	32	13	19	duststorm	2	0	2
thunder	29	16	13	dew	1	0	1
blizzard	26	9	17	tempest	1	0	1
fog	24	12	12	seasons	1	1	0
gale	20	13	7	cloudiness	1	0	1
sunshine	16	5	11	drizzle	1	0	1
clouds	14	7	7	smog	1	0	1
drought	13	9	4	32 below	1	0	1
sun	12	4	8	wind velocity	1	0	1
thunderstorm	10	5	5	weathervane	1	0	1
earthquake	9	5	4	sunset	1	0	1
cold	9	4	5	airplane	1	0	1
tidal wave	8	4	4	dry ice	1	0	1
cloudy	8	4	4	weather balloon	1	0	1
sunny	7	1	6	northern lights	1	1	0
ice	6	2	4	temperature			
waterspout	6	5	1	inversion	1	1	0
rainy	5	1	4	atmosphere	1	0	1
heat	5	4	1	pressure	1	0	1
fair	5	2	3	icy	1	1	0
windstorm	5	3	2	shower	1	1	0
snowstorm	4	4	0	thunder shower	1	1	0
hot	4	1	3	high pressure	1	1	0
hailstorm	4	2	2	low pressure	1	1	0
sandstorm	4	3	1	clear	1	0	1
rainbow	4	2	2	humid	1	0	1
thermometer	4	0	4	water lily	1	0	1
barometer	4	0	4	scum	1	0	1
windy	3	1	2	fish	1	0	1
humidity	3	1	2	frogs	1	0	1
warm	3	2	1	vane	1	0	1
monsoon	3	2	1	weather station	1	0	1
heat wave	3	2	1	clear weather	1	1	0
rainstorm	3	3	0	avalanche	1	1	0
breeze	3	3	0	moisture	1	1	0
dry	3	0	3	calm	1	1	0
cloudburst	2	2	0	anti-cyclone	1	1	0
electric storm	2	2	0	muddy	1	1	0
aurora borealis	2	2	0	atmospheric			
				pressure	1	0	1
omissions	22	9	13	illegible words	2	1	1



## A MILITARY TITLE

-35-

Items	T	M	F
General	251	134	117
Captain	217	125	92
Lieutenant	194	78	116
Private	187	78	109
Sergeant	174	69	105
Colonel	170	85	85
Major	162	103	59
Corporal	89	40	49
Admiral	40	18	22
Commander	17	8	9
Ensign	15	9	6
Pfc.	12	4	6
2nd. Lieutenant	6	2	4
Lt. Colonel	4	3	1
sir	4	3	1
Lt. J.G.	3	0	3
Chief	3	2	1
Lt. Commander	3	1	2
Navy	3	3	0
1st. Lieutenant	3	1	2
Mr.	3	3	0
official	2	1	1
omissions	10	7	3

Items	T	M	F
Warrant Officer	2	2	0
Staff Sergeant	2	2	0
A/IC	2	2	0
Army	2	2	0
Private E-1	2	2	0
Seaman	1	1	0
Tech. Sgt.	1	1	0
Mast. Sgt.	1	1	0
Adjutant	1	1	0
Recruit	1	1	0
Marine	1	1	0
Air Force	1	1	0
Brig. General	1	1	0
Buck Private	1	0	1
Major General	1	0	1
First Class	1	0	1
Lt. S.G.	1	0	1
Sfc.	1	1	0
A/B	1	1	0
A/2C	1	1	0
A/3C	1	1	0
Officer	1	0	1
illegible word	1	1	0

## A METAL

Items	T	M	F
iron	291	151	140
copper	249	117	132
steel	186	103	83
aluminum	149	78	71
tin	131	69	62
gold	115	41	74
silver	98	34	64
zinc	83	42	41
brass	72	48	24
lead	57	35	22
bronze	29	13	16
platinum	26	10	16
magnesium	18	9	9
nickle	15	11	4
sodium	8	7	1
tungsten	5	4	1
titanium	4	4	0
uranium	4	2	2
mercury	3	1	2
chromium	2	2	0
omissions	28	4	24

Items	T	M	F
chrome	2	0	2
manganese	2	0	2
cobalt	2	0	2
potassium	2	2	0
vanadium	2	2	0
barium	2	1	1
hard	1	1	0
nickle-silver	1	1	0
duridium	1	1	0
manginin	1	1	0
bauxite	1	0	1
radon	1	0	1
ore	1	0	1
carbon	1	1	0
beryllium	1	1	0
table	1	0	1
car	1	0	1
strontium	1	1	0
selinium	1	1	0
plutonium	1	1	0
illegible word	1	1	0

# A VEGETABLE

-36-

Items	T	M	F	Items	T	M	F
carrot	240	122	113	green bean	3	1	2
pea	199	88	111	pumpkin	2	2	0
potato	175	98	77	sweet potato	2	1	1
bean	118	59	59	parsnip	2	1	1
tomato	115	39	46	brussel sprouts	1	1	0
corn	112	48	64	okra	1	0	1
lettuce	93	53	40	turnip greens	1	0	1
spinach	90	38	52	greens	1	0	1
beet	65	40	25	blackeyed peas	1	0	1
squash	62	30	32	mushroom	1	1	0
cabbage	51	30	21	pear	1	1	0
celery	39	22	17	strawberry	1	1	0
turnip	38	18	20	fig	1	0	1
stringbeans	29	12	17	artichoke	1	0	1
broccoli	26	5	21	green pepper	1	0	1
asparagus	25	10	15	kale	1	0	1
onion	17	6	11	melon	1	1	0
radish	15	11	4	collorad	1	1	0
cauliflower	13	4	9	mustard	1	1	0
cucumber	12	5	7	endive	1	1	0
pepper	7	0	7	watermelons	1	1	0
eggplant	5	3	2	ycm	1	1	0
lima bean	4	0	4				
omissions	20	11	9	illogible words	3	3	0

# A PRECIOUS STONE

Items	T	M	F	Items	T	M	F
diamond	390	195	195	uranium	3	3	0
ruby	353	176	177	bloodstone	3	0	3
emerald	223	113	110	moonstone	2	0	2
sapphire	206	101	104	marble	2	1	1
pearl	128	51	77	coal	2	2	0
opal	54	17	37	coral	1	0	1
onyx	44	30	14	beryl	1	0	1
garnet	27	13	14	star sapphire	1	0	1
amethyst	19	3	16	shinestone	1	1	0
topaz	17	4	13	crystal	1	0	1
jade	17	17	0	white gold	1	0	1
gold	13	11	2	cameo	1	0	1
aquamarine	9	2	7	titanium	1	1	0
silver	7	5	2	feldspar	1	1	0
turquoise	7	5	2	signet	1	1	0
platinum	5	3	2	birthstone	1	1	0
quartz	5	5	0				
gem	4	4	0	omissions	39	26	13
zircon	4	3	1	illogible words	4	3	1
jewel	3	2	1				

## A SPORT

-37-

Items	T	M	F	Items	T	M	F
baseball	288	160	128	hiking	2	0	2
football	276	161	115	bicycling	2	0	2
basketball	216	123	93	dancing	2	0	2
tennis	186	71	115	ice skating	2	0	2
swimming	127	40	87	wrestling	2	1	1
golf	94	46	48	sailing	2	0	2
hockey	74	45	29	pool	2	2	0
soccer	60	31	29	running	2	2	0
track	31	28	3	diving	2	1	1
skiing	23	5	18	cricket	1	0	1
fishing	18	11	7	ball	1	0	1
volley ball	17	4	13	dodge ball	1	0	1
badminton	15	2	13	field hockey	1	0	1
skating	14	0	14	canoeing	1	0	1
hunting	14	9	5	horse racing	1	1	0
bowling	14	2	12	spear fishing	1	1	0
boxing	11	9	2	car racing	1	1	0
ping pong	10	5	5	quoits	1	1	0
squash	9	5	4	spelunking	1	1	0
riding	9	0	9	jai lai	1	1	0
racing	9	7	2	sliding	1	0	1
horse back riding	8	1	7	flying	1	0	1
softball	7	1	6	cars	1	1	0
fencing	7	3	4	foot races	1	1	0
archery	7	1	6	yachting	1	1	0
boating	4	1	3	shooting	1	1	0
lacrosse	3	1	2	billiards	1	1	0
polo	3	3	0	cross country	1	1	0
water skiing	3	1	2				
omissions	5	5	0	illegible word	1	1	0

## A UNIT OF DISTANCE

Items	T	M	F	Items	T	M	F
foot	343	170	173	liter	2	1	1
mile	331	156	175	micron	2	2	0
inch	297	147	150	radius	1	1	0
yard	255	127	128	diameter	1	1	0
meter	145	80	65	$\frac{1}{4}$ mile	1	1	0
rod	47	19	28	mil	1	1	0
kilometer	42	24	18	knowl	1	1	0
centimeter	39	28	11	street	1	0	1
knot	8	3	5	space	1	0	1
fathom	8	4	4	statute mile	1	0	1
league	8	4	4	nautical mile	1	0	1
acre	7	1	6	log	1	0	1
millimeter	7	5	2	angstrom	1	1	0
block	6	1	5	kilogram	1	1	0
light year	6	6	0				
furlong	4	2	2	omissions	25	8	17
decimeter	2	1	1	illegible			

# A BUILDING FOR RELIGIOUS SERVICES

-38-

Items	T	M	F
church	391	193	198
synagogue	325	154	171
temple	214	96	118
chapel	207	106	101
cathedral	94	47	47
mosque	36	20	18
monastery	22	13	9
meeting house	19	9	10
shrine	19	13	6
rectory	15	7	8
hall	13	7	6
mission	11	8	3
tabernacle	11	6	5
home	9	4	5
house	9	5	4
school	7	2	5
parish	6	4	2
convent	5	3	2
community house	4	0	4
parish house	4	3	1
basilica	4	3	1
pagoda	3	3	0
auditorium	3	2	1
sanctuary	3	2	1
catacombs	2	0	2
congregation	2	0	2
hillel	2	0	2
minaret	2	1	1
vestry	2	1	1
house of worship	2	2	0
tent	2	2	0
hut	2	2	0
cabin	1	1	0
omissions	113	63	50

Items	T	M	F
steeple	1	1	0
brass	1	1	0
warm	1	1	0
clubhouse	1	1	0
St. Thomas Chapel	1	0	1
episcopal	1	0	1
lutheran	1	0	1
catholic	1	0	1
congregational	1	0	1
cloister	1	0	1
cellar	1	0	1
methodist church	1	0	1
name	1	0	1
center	1	0	1
kirk	1	1	0
bishoprey	1	1	0
mausoleum	1	1	0
jewish center	1	1	0
tomb	1	1	0
religious building	1	1	0
abbey	1	1	0
buddhist	1	1	0
meeting room	1	0	1
parsonage	1	0	1
Pastur's house	1	0	1
pyramid	1	0	1
meeting hall	1	0	1
parson's house	1	0	1
great-out-of-doors	1	0	1
shoul	1	0	1
seminary	1	1	0
cave	1	1	0
prayer house	1	1	0
illegible words	3	3	0

## A FUEL

-39-

Items	T	M	F
gasoline(gas)	364	186	178
gas	(302)	(154)	(148)
gasoline	(62)	(32)	(30)
oil	336	160	176
coal	285	129	156
wood	203	99	104
kerosene	96	62	34
coke	32	9	23
alcohol	26	20	6
electricity	22	9	13
petroleum	16	7	9
peat	14	5	9
paper	12	4	8
water	12	2	10
steam	8	2	6
atomic energy	8	7	1
diesel oil	7	6	1
charcoal	6	3	3
food	6	0	6
hydrogen	5	5	0
straw	5	4	1
atom	4	4	0
natural gas	4	2	2
atomic	4	4	0
uranium	4	3	1
ether	3	3	0
lighter fluid	3	2	1
diesel	3	1	2
methane	3	3	0
U-235	2	2	0
sun	2	1	1
oxygen	2	2	0
peat moss	2	1	1
omissions	57	22	35

Items	T	M	F
radium	2	1	1
peroxide	2	2	0
benzene	2	2	0
atomic power	2	2	0
nitro	2	2	0
octane	2	0	2
leaves	1	0	1
fuel oil	1	1	0
fire	1	0	1
iron	1	0	1
butane	1	1	0
methol	1	1	0
moss	1	1	0
radioactive			
material	1	1	0
benzolene	1	1	0
petrol	1	1	0
rocket fuel	1	1	0
whale oil	1	1	0
carbide	1	1	0
fission products	1	1	0
jet fuel	1	1	0
hot water	1	0	1
nitrozene	1	0	1
esso	1	0	1
texaco	1	0	1
carbon	1	0	1
atomic fuel	1	1	0
helium	1	1	0
diesel fuel	1	1	0
air	1	1	0
acetylene	1	1	0
coal oil	1	1	0
illegible words	6	4	2

## A FRUIT

-40-

Items	T	M	F
apple	373	186	187
pear	294	147	147
orange	228	119	109
peach	210	98	112
plum	121	60	61
banana	113	51	62
grape	81	44	37
lemon	40	24	16
cherry	35	18	17
grapefruit	26	9	17
apricot	12	6	6
pineapple	11	5	6
tomato	9	8	1
lime	6	3	3
prune	6	2	4
tangerine	6	3	3
strawberry	5	3	2
omissions	1	1	0

Items	T	M	F
pomegranate	4	2	2
avacado	3	1	2
nut	2	2	0
date	2	1	1
raspberry	1	1	0
fig	1	0	1
cantelope	1	0	1
ginger ale	1	1	0
misplaced human	1	1	0
crab apple	1	1	0
persimmon	1	0	1
nectarine	1	0	1
blueberry	1	1	0
casavu	1	1	0
raisin	1	1	0
melon	1	0	1

## AN ALCOHOLIC BEVERAGE

-41-

Items	T	M	F	Items	T	M	F
beer	295	171	124	canadian club	2	1	1
whiskey	228	120	100	manhattan	2	1	1
gin	214	88	126	rye & ginger	1	0	1
wine	165	101	64	sea breeze	1	0	1
vodka	156	64	92	old crow	1	0	1
scotch	127	58	69	rum coke	1	0	1
rye	108	55	53	bloody mary	1	0	1
rum	80	33	47	screwdriver	1	1	0
bourbon	54	33	21	milk	1	1	0
ale	27	15	12	chianti	1	1	0
brandy	23	8	15	cocktail	1	0	1
champagne	14	6	8	punch	1	0	1
liquor	10	5	5	tea	1	0	1
vermouth	7	2	5	coffee	1	0	1
martini	6	3	3	cocoa	1	0	1
whiskey sour	5	1	4	old fashioned	1	0	1
cordial	4	3	1	alexander	1	0	1
tom collins	3	1	2	moscow mule	1	0	1
four roses	3	1	2	side car	1	0	1
soda	3	1	2	imperial	1	0	1
sake	3	3	0	cider	1	1	0
applejack	2	2	0	drambou	1	1	0
hard cider	2	1	1	alcohol	1	1	0
cognac	2	0	2	schnapps	1	1	0
high ball	2	0	2	V.O.	1	1	0
seagram's	2	0	2	irish whiskey	1	0	1
corn liquor	2	2	0				
omissions	21	11	10	illegible words	4	2	2

## A COLOR

Items	T	M	F	Items	T	M	F
red	367	185	182	gold	7	5	2
blue	360	175	185	aqua	2	0	2
green	282	134	148	soft	1	1	0
yellow	222	99	123	bright	1	1	0
orange	110	65	45	shrimp	1	0	1
white	63	41	22	blond	1	1	0
black	62	37	25	chartreuse	1	1	0
pink	38	12	26	magenta	1	0	1
brown	30	16	14	wine	1	0	1
purple	25	11	14	beige	1	0	1
gray	13	8	5				
violet	10	7	3	illegible word	1	1	0



## APPENDIX

Instructions for obtaining norms.....I

Data sheets.....II-IV

Table for converting frequencies to percentages...V

## PLEASE PRINT THE FOLLOWING INFORMATION

NAME \_\_\_\_\_ AGE \_\_\_\_\_ SEX \_\_\_\_\_ SCHOOL OR  
COLLEGE \_\_\_\_\_  
MAJOR \_\_\_\_\_ SEMESTER IN SCHOOL \_\_\_\_\_

INSTRUCTIONS

You will be given various classes of items. For each one you are to write the first four items you think of as representative members of the specified class. These items should be nouns which are specific in character.

To illustrate this procedure we might specify a sea food as a class of items. In this case, representative members include lobster, shrimp, clam, oyster, etc.

As another illustration, consider a planet, as a class of items. We want a group of clearly specific representative members or examples. Possible representative members could include Mars, Earth, Venus, Saturn, etc.

As a final illustration we might give an article of jewelry as a class of items. In this case the representative members or examples might be ring, necklace, bracelet, earring, etc.

If you have difficulty in thinking of as many as four good representative members go on to the next class of items.

Remember, your task is to give the first four representative members you think of for each of the classes of items to be presented to you. These items should be specific in character. Please work as rapidly as you can. Do not skip any of the classes of items.

Are there any questions?

<u>CLASS OF ITEMS</u>	<u>REPRESENTATIVE MEMBERS</u>			
A weapon	_____	_____	_____	_____
A vehicle	_____	_____	_____	_____
A metal	_____	_____	_____	_____
A carpenter's tool	_____	_____	_____	_____
A name applied to a person to indicate his occupation or profession	_____	_____	_____	_____
A fuel	_____	_____	_____	_____
A unit of distance	_____	_____	_____	_____
A male first name	_____	_____	_____	_____
A building for religious services	_____	_____	_____	_____
A type of human dwelling	_____	_____	_____	_____
An article of furniture	_____	_____	_____	_____
A natural earth formation	_____	_____	_____	_____

<u>CLASS OF ITEMS</u>	<u>REPRESENTATIVE MEMBERS</u>			
A fruit	_____	_____	_____	_____
An insect	_____	_____	_____	_____
A vegetable	_____	_____	_____	_____
A precious stone	_____	_____	_____	_____
A member of the clergy	_____	_____	_____	_____
A color	_____	_____	_____	_____
A sport	_____	_____	_____	_____
A unit of time	_____	_____	_____	_____
A disease	_____	_____	_____	_____
A kind of cloth	_____	_____	_____	_____
A military title	_____	_____	_____	_____
A part of the human body	_____	_____	_____	_____
A country	_____	_____	_____	_____
A substance used for flavoring food	_____	_____	_____	_____
A type of footgear	_____	_____	_____	_____
A science	_____	_____	_____	_____

## CLASS OF ITEMS

REPRESENTATIVE MEMBERS

A fish	_____	_____	_____	_____
A flower	_____	_____	_____	_____
A snake	_____	_____	_____	_____
An article of clothing	_____	_____	_____	_____
A chemical element	_____	_____	_____	_____
A musical instrument	_____	_____	_____	_____
An alcoholic beverage	_____	_____	_____	_____
A type of dance	_____	_____	_____	_____
A tree	_____	_____	_____	_____
A part of a building	_____	_____	_____	_____
A bird	_____	_____	_____	_____
A weather phenomenon	_____	_____	_____	_____
A crime	_____	_____	_____	_____
A type of ship	_____	_____	_____	_____
A four footed animal	_____	_____	_____	_____

# Conversion of Frequencies to Percentages

N = 1500

Frequencies Percentages

384-399	24
368-383	23
352-367	22
336-351	21
320-335	20
304-319	19
288-303	18
272-287	17
256-271	16
240-255	15
224-239	14
208-223	13
192-207	12
176-191	11
160-175	10
144-159	9
128-143	8
112-127	7
96-111	6
80-95	5
64-79	4
48-63	3
32-47	2
16-31	1
1-15	<1

N = 800

Frequencies Percentages

192-199	24
184-191	23
176-183	22
168-175	21
160-167	20
152-159	19
144-151	18
136-143	17
128-135	16
120-127	15
112-119	14
104-111	13
96-103	12
88-95	11
80-87	10
72-79	9
64-71	8
56-63	7
48-55	6
40-47	5
32-39	4
24-31	3
16-23	2
8-15	1
1-7	<1

**UNCLASSIFIED**

**AI 42729**

**Armed Services Technical Information Agency**

**Reproduced by**

**DOCUMENT SERVICE CENTER**

**KNOTT BUILDING, DAYTON 2, OHIO**

**FOR  
MICRO-CARD  
CONTROL ONLY.**

**1 OF 1**

**NOTICE: WHEN GOVERNMENT OR OTHER DRAWINGS, SPECIFICATIONS OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE U. S. GOVERNMENT THEREBY INCURS NO RESPONSIBILITY, NOR ANY OBLIGATION WHATSOEVER; AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS, OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.**

**UNCLASSIFIED**